

1978

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History Professor Interprets For State Visit of Tito

Michael Petrovich, associate professor of history at Hope, is settled back into his normal routine after literally exchanging words between two of the world's most powerful political leaders.

Petrovich, 44, was selected to be President Carter's interpreter during the March 5-9 state visit of Yugoslavian President Marshall Tito.

A native of Yugoslavia and a former escort interpreter for the U.S. Department of State, Petrovich was selected after undergoing an evaluation in Washington, D.C.

None of the state department's present roster of escort interpreters "seemed up to this important task," according to Nora Lejins, chief of the language services division of the state department.

"The name of Dr. Michael Petrovich was recalled as being a superlative escort interpreter

between 1961-66, before he engaged in academic pursuits," said Ms. Lejins.

"Dr. Petrovich clearly emerged as the best, both in interpreting ability and command of English and Serbo-Croatian," said Ms. Lejins following the evaluation in Washington.

Petrovich left for Washington on Feb. 26 for a week's briefing prior to Tito's arrival. He described the briefing schedule as "grueling," compounded by the fact that he had arrived in Washington with the flu. Evening meetings followed eight-hour days, during which every effort was made to hone Petrovich's language skills and provide information on protocol and foreign policy.

"An interpreter doesn't interpret words as much as he does the man; I guess you can say an interpreter is the speaker's alter ego," says Petrovich. "An interpreter needs more than a

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Exploriation '78 Offers Mini-College Opportunity

"Exploriation '78," a new program to give high school sophomores and juniors exposure to a college environment, will be held on the Hope campus July 30 to August 5.

The week-long program will be modeled after a typical college schedule, including a mixture of classes, organized activities and free time.

"High school students will live in a college dorm, eat in a college cafeteria, learn from college professors and operate on a college schedule," says Peter Semeyn, assistant chaplain at Hope and a coordinator of the event.

"Exploriation '78 will give participants a greater knowledge of themselves and their abilities, and provide opportunities to grow in understanding of college life."

According to Semeyn, many high school students are concerned about how they'll fit into college life. Some are worried about living away from home, about being responsible for their own time, about adjusting to college's academic requirements.

Exploriation '78 will enable students to gain confidence in many of these areas and better prepare them for making final decisions about college when they become high school seniors, Semeyn says.

Courses will be offered in English, computer science, psychology, chemistry, sociology, art, theatre, religion and business/economics. Students will make course selections and go through the registration process much the same as college students would.

Presentations on topics such as career planning, library use, financial aid possibilities and taking exams will be available. Participation in health fitness activities will take place in the College's new Dow Health and Physical Education Center.

Afternoon schedules will include a trip to

Lake Michigan, campus tours, tours of Holland and its landmarks and other recreational pastimes. Evening extracurricular events will include attending a Hope Summer Repertory Theatre production.

Enrollment in Exploriation '78 is limited to 100 high school sophomores and juniors. A bus will be provided for students living on the East Coast at a cost of \$40, round-trip.

Tuition, room and board costs are \$85. For more information, contact Peter Semeyn, Chaplains' Office, Hope College, Holland, Mich. 49423, (616) 392-5111, ext. 2400.

State Tuition Grant Passed for Freshmen

The Michigan Legislature has passed a Bill authorizing a grant to each resident of the State who enrolls as a freshman in a private college in Michigan next fall.

This grant would not be based on financial need and would be available to every resident of Michigan.

The size of the grant will depend on the amount appropriated in the new budget by the legislature. Present indications are that the amount could be as much as \$500. The program will apply only to freshmen in 1978-79, but is expected to be expanded in the years ahead to provide aid to sophomores, then juniors and finally seniors.

"This legislation greatly enhances freedom of choice in education for Michigan residents," said Hope College President Van Wylen.

"We sincerely hope that the possibility of this grant and the various programs of need-based assistance that are also available, will be of help to parents and high school seniors in making a choice of college for next fall."



Each issue of *News from Hope College* this year is providing you with an indepth, up-to-date look at one of the four academic divisions of Hope College. This issue focuses on the Performing and Fine Arts Division, beginning on page 7.



SCULPTURE IN DEWITT: TO BE OR NOT TO BE? A 50-hour Shakespeare reading marathon on March 3-5 kicked off a fund raising effort to finance the commissioning of a sculpture for DeWitt Student and Cultural Center. The sculpture will have a theme focusing on furthering the position of women in society. Hope's Mortar Board chapter sponsored the marathon, during which students and faculty perched on ladders to ham up "Hamlet" and 14 other Shakespeare plays. Students hope to raise \$1,000 for the sculpture, to be augmented by financial support from contributions.

Experience as Interpreter 'Overpowering'

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knowledge of the language; it is important that he be aware of current social and political issues."

He often practiced on his own during the briefing week by translating the evening television news.

After his Secret Service clearance came through on Tuesday, he was given American-Yugoslavian policy documents, "stamped secret all over them," for study.

Petrovich says throughout the preparation week, the pressure increased.

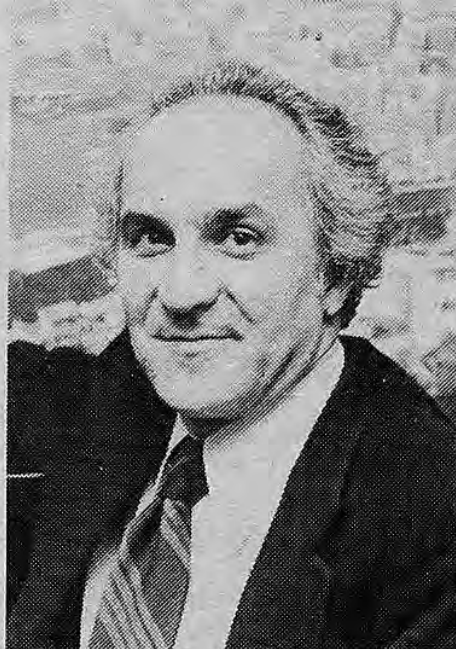
"I knew I had been chosen to represent President Carter and that also in a way I was representing Hope College. I always had in the back of my mind a reminder of the Polish incident, and always a voice was saying, 'Don't make the same mistake.' It was a very lonely time."

On Friday, March 3, Petrovich arrived for briefing, only to be told that CBS had issued a report of Tito's death. Petrovich said he was told he'd be sent as Carter's interpreter to the funeral. Minutes later CBS retracted the statement of Tito's death as a blunder, but by that time the report had been carried across the country.

At the end of the week, Petrovich was told by the state department that they couldn't do anything more for him, that he was "the most tuned-up machine they had ever produced." There was nothing to do but wait for Monday and Tito's arrival.

Petrovich was at Andrews Air Force Base with Secretary of State Cyrus Vance and other diplomats for Tito's arrival. Vance and Tito exchanged brief greetings, which Petrovich translated. He rode in the Rolls Royce motorcade back to Blair House, across the street from the White House, where Tito was to stay.

"The motorcade was a sight to be seen. One can only have the highest appreciation for the Secret Service—their professionalism, exactitude, and their coolness."



Tuesday, March 6, was the biggest day on Petrovich's agenda. An impressive White House lawn ceremony marked the formal greeting of the 85-year-old Yugoslavian leader.

Following the lawn ceremony, Petrovich accompanied the two leaders and other diplomats to the Cabinet Room, where Carter and Tito had their first meeting. Petrovich sat next to Vice President Mondale.

"It was awesome to be in that room, surrounded by all the power and might of both countries. I was, of course, also aware that my real test was about to begin."

Petrovich's test began, however, with a delay. The woman translator accompanying Tito began translating both presidents' words, although it had previously been decided that Petrovich would translate from English to Serbo-Croatian and Tito's translators from Serbo-Croatian to English. After a few min-

utes, President Carter simply nodded to Petrovich. "And when the President nods to you, you respond," Petrovich says. After this signal, he broke in and began translating.

Petrovich's most prominent and most demanding task occurred during the State Dinner on Tuesday evening.

"It was a gorgeous sight, it looked like Camelot," he says. "The men in tuxedos, the women—many of them lovely Georgian belles—in beautiful dress, the Marine Band in their uniforms. The whole scene was about as close as one can come in the U.S. to royalty."

Petrovich had been told he would not be translating Carter's after-dinner speech, but that the Yugoslavian translator would be whispering its contents into Tito's ear.

President Carter, apparently unaware of these plans, said the interpretation should be made "loud and clear" by Petrovich, who had been given no briefings on its contents. President Carter asked him if he knew the Serbo-Croatian word for peanuts. Petrovich told him it was kiki-riki. That was the only prior knowledge he was to receive of the speech.

"I had my government-issued ballpoint and pad with me. Interpreters usually write things down so they won't forget anything. But I decided that if I was going to be standing next to the President, both of us in formal tuxedos, it just wouldn't look elegant for me to be scribbling. I decided to go for broke."

After the dinner, State Department interpreters told Petrovich they were very pleased with his performance.

On Thursday Tito and Carter met for their second meeting in the Cabinet Room.

"Throughout the week I gained a new respect for the office of the Presidency, a new awareness of the tremendous pressure the President is under," Petrovich says.

"I was also impressed by the professionalism the President expects of those around him. He conveys this feeling without words but just by being there."

Petrovich was the last one to stay with Carter when Tito's plane departed from Andrews Air Force Base on Thursday.

"He turned to me and said, 'Very good job, thank you very much.' I considered that to be the supreme compliment one could receive from the President of the United States."

Petrovich indicated that the experience was the pinnacle of his professional life.

"All of us spend our lives preparing, reading and studying. Sometimes we ask ourselves, what for? But then your day of reckoning comes when you have to put your all forward, and then you know you've been preparing for it all your life."

In retrospect, Petrovich says his experiences in Washington reinforced his belief in the importance of studying language and history and the benefits of foreign travel.

"If you have a metropolitan view of the world, you're much more likely to be at ease in the presence of world powers."

But the thing that impressed Petrovich most about his Washington trip was a new appreciation for what it means to be an American citizen.

"That's the most overpowering thing I'm carrying back with me to Hope College," he says.

Dr. Petrovich came to the U.S. at the age of 21. In 1965, while working as a state department interpreter he visited Holland with a Yugoslavian official who had come to Hope College to visit Dr. Paul Fried, director of international education at the College.

Dr. Petrovich and former Hope College President Calvin A. VanderWerf subsequently invited Petrovich to join the Hope history faculty. He joined the Hope faculty in 1966 and holds the rank of associate professor of history.

From 1974 to 1976, he was with the International Studies Institute at Grand Valley State College as associate professor of history and international relations. In the last 11 years, he has been actively involved in international studies as a teacher in, and administrator of, an American summer program in Yugoslavia.

He holds a B.A. degree in political science from Shepherd College, and a master's degree in international relations and a Ph.D. in history from the University of Chicago.

Senior Student Feared Drowned

Hope College senior Steven Kubacki is missing and feared drowned in Lake Michigan south of Holland where he had gone cross country skiing the weekend of winter recess (Feb. 18-19).

A land and air search was conducted without success after Kubacki's cross country skis and backpack were found along the Lake Michigan shoreline and footprints were believed seen leading out onto icepacks.

Kubacki, 23, who lived off-campus, had told friends he was going cross country skiing on Saturday, Feb. 18. His skis and backpack were found by snowmobilers early afternoon on Feb. 20 near Saugatuck, Mich., which is approximately five miles south of Holland.

College officials, using a chartered plane, and a state police helicopter launched an immediate search of the area. Police and Coast Guard officials continued the land and air search through the following week.

A history major, Kubacki is the son of John J. Kubacki of South Deerfield, Mass. and Irene F. Pegg of Hadley, Mass.

Contemporary Literature Theme of Summer Minister Short Course

Reformed Church in America ministers are invited to enroll in "Human Concerns in Contemporary Literature," a short course being taught June 6 & 7 by members of the Hope College department of English.

"Hope College long has wanted to make a contribution to the personal growth and professional effectiveness of the ministers of the Reformed Church. We hope this will become the first in a series of short courses offered annually in early summer," said Dr. Lars I. Granberg, dean for the social sciences and director of this summer's course.

The course will focus on certain current fiction, drama and poetry that set forth perspectives on the human condition. Titles have been selected for treatment which offer helpful perspectives to the minister.

The following lectures are included in the two-day agenda: "Prophets, Preachers and Poets: The Place of Literature in the Pulpit,"

led by Prof. R. Dirk Jellema; "Arthur Miller and *After the Fall*" and "Flannery O'Connor's Short Stories," led by Profs. John Hollenbach and Francis Fike; "Views of Death in Contemporary Poetry," led by Prof. Jane Harrington; "The Bible as Literature," led by Prof. Harry Boonstra; and a faculty panel for interaction and general discussion. The schedule also provides time for reading, recreation or discussion with fellow pastors.

Registration fee is \$42.50. A few scholarships are available for those with limited resources. A reading list is supplied upon registration. Board (three meals on June 6, breakfast and lunch on the 7th) costs are \$11.10, and a variety of on-campus room accommodations are available, ranging in cost from \$5-\$8 per night.

Inquiries should be directed to Dr. Lars Granberg, Hope College, Holland, Mich. 49423, (616) 392-5111, ext. 2190.

news from
Hope College

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Symphonette Tours West

The Hope College Symphonette, under the direction of Dr. Robert Ritsema, will present concerts in Illinois, Iowa, Nebraska, Colorado, New Mexico, Arizona and California May 15-June 2.

The extended tour is later than normal for the Symphonette and is intended to coincide with the college's May Term. The Chapel Choir, under the direction of Roger Rietberg, presented concerts in Michigan, New York and New Jersey during Spring recess (March 26 to April 7).

The 29-member Symphonette is selected each year from the larger 70-member college symphony orchestra. Through the Symphonette, the music department is able to afford its more proficient players an unusual opportunity for group participation and concentrated study of musical styles.

Monday, May 15
Tuesday, May 16
Wednesday, May 17
Thursday, May 18
Friday, May 19
Sunday, May 21
Monday, May 22
Tuesday, May 23
Wednesday, May 24
Thursday, May 25
Friday, May 26
Sunday, May 28 (a.m.)
Sunday, May 28 (p.m.)
Tuesday, May 30
Wednesday, May 31
Thursday, June 1
Friday, June 2 (a.m.)
Friday, June 2

Bethel Reformed Church, Sterling Ill.
Meredith Drive Reformed Church, Des Moines, Iowa
Pella Reformed Church, Adams, Neb.
Concert Site to be announced
First Reformed Church, Denver, Colo.
Concert site to be announced
The Reformed Church, Mescalero, N.M.
Tucson Reformed Church, Tucson, Ariz.
Glass and Garden Community Church, Scottsdale, Ariz.
Bethany Reformed Church, Redlands, Calif.
Chino Valley Reformed Church, Chino, Calif.
Garden Grove Community Church, Garden Grove, Calif.
Lake Hills Community Church, Laguna Hills, Calif.
Winding Way Community Church, Carmichael, Calif.
Calvary Reformed Church, Ripon, Calif.
Emmanuel Reformed Church, Paramount, Calif.
Valley Christian High School, Cerritos, Calif.
Concert site to be announced

Launch One-on-One Health Dynamics Program

close-up

Most Americans are walking—or more correctly, sitting—paradoxes.

While 96 per cent of the adult American population believes that there are benefits to be gained from physical activity, only 10-15 percent of the same group is engaged in enough regular physical exercise to really do them any good, according to a survey by the President's Council on Physical Fitness and Sports.

An innovative program of health promotion and education to be launched this fall at Hope College hopes to alter those statistics among the Hope student population, both while they're on campus and when they enter the larger world after graduation.

The program, now in the final planning stages, has already received a great deal of attention from the professional world of physical educators and health fitness experts even though it will not be implemented until next fall.

"We get letters every week from people who want to know what we're up to here," says Dr. Richard A. Peterson, newly named director of the Health Dynamics Program, funded by a generous grant from the W. K. Kellogg Foundation of Battle Creek, Mich.

What's so unusual about the new program?

"Most college physical education programs have the same goals and objectives and are interested in developing the same things we

"... activity is not only good, but it's good enough that we should actually be doing it."

are. The principal difference is in the intensity and comprehensiveness of our program.

"We want to increase the amount of quality time spent with a student. The new program emphasizes one-to-one encounters. Our program is comprehensive because, although intended primarily for Hope students, we also will have wide community, faculty and staff involvement."

The scope of the new program is ambitious. Saga Food Service is cooperatively involved, and the program is tied administratively with the Health Clinic. Peterson is also working closely with David Vanderwel, director of student services.

"We want to create an atmosphere on campus as a whole. We want to foster a healthy life style, to make it a personal rather than a programmed thing," says Peterson.

To make health consciousness pervasive, a College-wide commitment is vital. And Peterson is off to a good start in this area. If the program makes as much impact as hoped, it may well provide a new model of what can be done to promote individual health and fitness in a largely voluntary program.

Beginning this fall, all freshmen (except for unusual cases) will enroll in a course called Health Dynamics. It's a one-credit course that hopefully will change the entire pattern of a student's life.

The academic component of the course is largely theoretical in nature. Students will be given accurate information on the relationships between diet, exercise and health.

"We will give them this information through a reasonable and logical—rather than fanatical—approach. We want them to be able to make their own decisions," says Peterson.

Next, an extensive evaluation will be made of each student. His or her current health status will be determined through medical records and, hopefully, on-site examinations.

Sophisticated tests will be administered to measure the student's biological health status and cardio-vascular response to exercise. Personality/attitude testing will also be given.

From this data a profile will be established for each student. Students will be presented with their health profiles in a one-to-one consultation setting.

"We will point out all the elements in the profile and then provide a strategy by which

the student could maximize strengths and shore up weaknesses," says Peterson. "We provide the testing and the counseling as a service. Students have the freedom to refuse or accept the advice."

Peterson believes, however, that freedom isn't really freedom unless the choices a student makes are informed. The final segment of the required course "provides opportunities for students to experience what can happen to them when they are regularly placed in situations of physiological stress."

For most people "situations of physiological stress" are better known as simply exercise or physical activity. Students in the course will participate on a regular basis in a variety

"We want to increase the amount of quality time spent with a student. The new program emphasizes one-to-one encounters."

of games and other forms of exercise. Throughout, the focus will be on experiencing activity, not on learning the rules of a game or on developing competencies. These are by-products of the program's activity, Peterson says.

"We want the program to enable students to feel the effects of regular exercise, to know what it means to them from their own subjective point of view. At the same time, the staff will be objectively measuring any changes in their health status, so that we can provide data to show empirically what changes the activity program has produced."

In addition to some of the standard forms of physical activity—such as tennis, swimming and running—the program will also include games which have high activity, low skill level characteristics. Often these new games are variations of traditional sports, such as basketball or volleyball. The major difference is that all restrictions which stop the flow of activity are minimized.

"Our philosophy is to provide as wide a scope of activity alternatives as possible," says Peterson. "Some people hate to run, so we don't think they should be made to run. We

believe everyone should be able to engage in a form of physical activity which is enjoyable."

Completion of the course marks the end of the required aspect of the Health Dynamics Program, but certainly not the culmination.

"From then on, we want to foster in many different ways the promotion of an atmosphere on campus, an atmosphere that says activity is not only good, but it's good enough that we should actually be doing it."

Well-placed leaders in the dorms will be strong influences in achieving this goal. They'll organize all sorts of activities on an informal basis and serve as models for their peers.

"We want a positive attitude toward health to develop intrinsically in students, not be imposed on them. Indications are that this is the best way of assuring that students will carry health-promoting habits with them when they settle into their adult lives. If they continue to be aware of what they eat, and make time for adequate physical activity, we're convinced they'll be healthier in the long run."

* * * * *

What prompts a person involved in research and training Ph.D. candidates at a state university to come to a small, liberal arts undergraduate college that's just embarking on a new program?

The challenge and the chance to apply ideas, theory and data to an actual working situation, says Dr. Richard A. Peterson,

"Our philosophy is to provide as wide a scope of activity alternatives as possible."

recently-appointed director of the Hope-Kellogg Health Dynamics Program.

Peterson came to Hope from the University of Northern Colorado where he was associate professor of exercise physiology, director of graduate studies in that field, and director of the University's exercise physiology labora-

"We want the program to enable students to feel the effects of regular exercise"

tory and Adult Cardiac Prevention Program.

Peterson was also involved in Colorado in volunteer activities to design programs of physical activity which emphasized health and fitness. He was ready to take on the task on a larger scale. He arrived on Hope's campus last fall, and began to philosophically and programmatically develop the Health Dynamics Program.

Peterson, 35, stands 6' 1" and weighs 180 pounds. He's weighed in at that figure ever since he was 18 years old.

Surprisingly, he doesn't appear slender. He looks—well, fit. He says that testing indicates that his body composition includes "an average amount" of fat tissue.

How does he keep in shape?

"I'm one of those guys that likes a lot of different kinds of activity. I do some running—not a lot, swimming, a lot of different games and sports."

Philosophically, he says he's "a naturalist." He and his family live on a 15½ acre farm outside of Holland. They keep horses, dogs, chickens and—soon—pigs.

"Basically, everything that gets done out there, I do," he says.

The Petersons grow virtually all their own food. "That way we know what goes in it."

Fruits and vegetables are more central to their diet than is meat.

"We eat smaller portions of meat and have tried to get away from the idea that meat dominates the meal."

Has he every considered himself unfit? Just once, maybe, when after an operation he got up to 190 pounds.

"As a Christian, I feel one of a Christian's responsibilities is to be a good steward of what's been given. The body—the temple of the Holy Spirit—is as much a gift as the life that goes on in it. We're responsible for the stewardship of that gift."



Urban Programs Focus on Inner-City Social Changes

The following story on urban programs is third in a News from Hope College series on domestic, off-campus study opportunities for Hope students.

Living and working in a city, while exploring a host of urban issues—these are the opportunities available to Hope students through two semester programs. The Philadelphia Urban Semester, sponsored by the Great Lakes Colleges Association, and the Chicago Metropolitan Center program, under the sponsorship of Trinity Christian College in Palos Heights, Ill., both offer students educational adventures in metropolitan settings. Because many Hope students come from small cities and towns or rural areas, the programs are vehicles for special opportunities to stretch perceptions and expand horizons.

The Philadelphia Urban Semester, now in its 10th year of operation, emphasizes direct participation in the social changes and challenges of the inner city. The educational emphasis is on involvement. Students intern four days each week with professionals in well-supervised placements within agencies, schools, community groups and programs. Hope is the agent college for the program. Dr. Jacob Nyenhuis, dean for the humanities, has administrative responsibility.

"We have tried to develop a program to appeal to students with almost any interest. We offer placements in a tremendous range of areas," says Nyenhuis. "The Philadelphia Program gives the opportunity to explore a career option without having to make the more formal commitment of accepting a position in that field after graduation from college.

"In the process of interning, students learn not only about that profession, but also learn about themselves and their relationship to environments and to people."

The following examples give an idea of the breadth of placement possibilities in Philadelphia. This year Hope seniors Ed Ryan and Gary Camp were assistants to the manager of a division of the Philadelphia Urban Coalition concerned with minority business developments. Ryan surveyed and wrote housing proposals for financially-depressed areas, and Camp researched the feasibility of new products within specific markets. Junior Anne Fries was an assistant in a classroom of Philadelphia's Child Guidance Clinic, and did counseling and problem solving with emotionally-disturbed children. Junior Lenora Parish was assistant to the editor at the public relations office of Penn Mutual Insurance Co. She helped write a management newsletter and redesigned the firm's bulletin board system.

The Philadelphia Urban Semester Center maintains extensive files on various agencies that previously hosted interns. Students research the agencies and select those with whom they would like to interview for possible placement.

The academic study carried on by students in Philadelphia is directly related to the problems being experienced in the action projects of the internships. All students participate in the City Seminar to examine urban life and patterns of interaction. Students may also elect one of several Urban Studies Seminars, which each have a topical theme.

Another emphasis of the program is simply learning to live and function in a city environment, Nyenhuis notes. Students procure their own housing, learn how to travel throughout the nation's fourth largest city, and seek out social, cultural, and political events to round out the off-campus experience.

"One of the major benefits of the program is to expand horizons and broaden the experiences on which to base one's interpretation of on-campus experiences and learning. Also, life in Philadelphia provides a healthy contrast to the residential environment on a campus like Hope's," says Nyenhuis.

Students earn up to 16 hours of academic credit in Philadelphia and costs are roughly equivalent to a semester of on-campus tuition, room and board. A one-week orientation program, held at a hotel near the GLCA center

in Philadelphia, precedes the semester program. Normally, 120-140 GLCA students participate each year, with more than half enrolling in the full semester. Dr. James Piers, assistant professor of sociology, is Hope's faculty liaison.

The Chicago Metropolitan Center program is similar in many ways to the Philadelphia program. Now in its third year, the Chicago program is smaller in scope than its Philadelphia counterpart, involving 30-35 students each semester. Internships are available in a variety of host agencies and organizations. Academic seminars deal with issues relative to internship experiences.

A unique aspect of the Chicago program is that one of its goals, according to a publicity brochure, is "to provide a Christian perspective on the city." Participants are drawn from six Midwestern colleges, all affiliated with denominations of the Reformed tradition.

"In Chicago, Hope students mingle with students from like institutions. Thus, while the program does not include distinctly 'religious' activities, staff and students are more homogeneous and, because of that, religious matters have a tendency to come up more in seminar discussions," says Dr. Philip Van Eyl, Hope's liaison person for the Chicago Metropolitan Center. "And when they do come up, they're being handled by a staff who believes that one of the ways to bring change to cities is to bring Christian values and commitment to the problems of the cities."

In addition to the two elected seminars, students enroll in a Values Perspectives seminar, which also fulfills Hope's senior seminar requirement.

"To live and work in a city is to have a constant encounter with everything about the city, which includes an encounter with values," Van Eyl notes. "The seminar attempts to guide students in learning to live with these encounters."

As in Philadelphia, the scope of possible internship positions is broad. Past experiences of Hope students enrolled in the program include studying animal behavior at Brookfield Zoo, working in the commercial art department of the 3-M Company, and teaching handicapped children in a school for the blind.

"These are practical experiences we just can't offer a student on Hope's campus. They provide concrete situations in which to test one's self."

In addition to the expanded learning experiences, Van Eyl says another advantage is



that a work experience with a relatively well-known firm becomes part of a student's record.

In Chicago, students intern for 3½ days. Although the Metro Center matches students with internships, students are active participants in the process. Students arrange for their own living accommodations.

This year the Metro Center introduced an alternative non-internship program for students who wish to study the urban fine arts and humanities in depth. "This option capitalizes on the tremendous art forms readily available for study in a city the size of Chicago," according to Van Eyl.

The Chicago semester can benefit almost

anyone, he says. "For the extremely self-directed student, it provides a chance to move on and get a headstart in one's intended profession. For the students without any idea of what they want to do in life, but know what areas of study they enjoy, the program can be a way of finding themselves."

"The basic requirement is simply that students have demonstrated a fair amount of self-discipline."

Students earn 16 hours of credit through the Chicago Metro Center Program. Costs are roughly equivalent to tuition, room and board costs at Hope. A 10-day orientation on the campus of Trinity Christian College precedes the semester.

Personal Tragedy Prompts Program

"Last spring my mother died of cancer and cancer also contributed to the death of my uncle a few weeks later. These deaths showed me in a very painful way how important cancer awareness is," says Tim Bennett, a senior business major from Pompton Plains, N.J.

Bennett says that after his mother Mary Blair '44 Bennett died at the age of 56, he felt the need to "do something." After meeting with the Ottawa County Unit of the American Cancer Society in Holland upon his return to campus last fall, Bennett began organizing a week-long calendar of events, including seminars, teach-ins, and clinics, to promote awareness of cancer and interest in the ACS. Dubbed "Cancer Awareness Week," the activities were aimed primarily at Hope faculty, staff and students. Several events were also open to the Holland community.

"No one, regardless of age and sex, is immune to cancer," Bennett says. "Therefore, students, as well as older men and women, need to be more aware of this killer of killers. Hope College is just as good a place as any to start."

Talking with Eleanor Brunsell, Ottawa County Unit ACS director, Bennett decided on a full week of activities rather than the special events that frequently occur on college campuses.

"Special events, such as dance marathons

and concerts, are usually primarily fund-raising events. Although this was one of our goals, we also wanted to create awareness about cancer and the ACS, to generate interest in learning more about cancer and the ACS, and to get participation in public education programs and clinics."

Cancer Awareness Week at Hope actually began on Jan. 28, when the Arcadian Fraternity held its annual rush dance with all proceeds going to the ACS. The formal week began on Monday, Feb. 6, with a campus-wide solicitation. Displays were set up in DeWitt Student and Cultural Center to explain the various body sites that cancer usually attacks. On Tuesday, there was a series of breast self-examination teach-in clinics for women, conducted by a registered nurse. On Thursday, a clinic for detection of colon-rectal cancer took place.

Also on Thursday, two guests spoke during the College's Community Hour. Former pro-football star and All-American Ron Kramer shared the podium with Mrs. Charlotte Meyers of Grand Rapids, a rehabilitated throat cancer patient. That evening a medical panel discussion took place.

The week was capstoned on Friday with a benefit concert given by a rock group, comprised of Hope students.

More than \$1400 was raised for the ACS during Cancer Awareness Week. Bennett,

who admits that the project consumed most of his time following Christmas vacation, says he was initially disappointed more students didn't participate in the educational events of the week.

"But I consider the campaign a success because everyone on campus got the message in one way or another. Although there were different degrees of participation and involvement, even by just reading the items we placed in the anchor, students would become more informed."

Bennett hopes to go on to graduate school and become a marketing manager in a large corporation. He also considers ultimately returning to the college classroom as a teacher. Volunteer work has also become a part of his future plans.

"I have made a commitment to the ACS and will continue to work for the organization in some capacity for the rest of my life."

"The Ottawa County Unit of the ACS is certainly very pleased with Tim's efforts at Hope," says Reed Brown '71, publicity chairman. "It's quite unusual for a volunteer to take on organizing such a comprehensive effort. It's also unusual for such an effort to come from Tim's age group."

"He did an excellent job of planning, organizing and publicizing the event and in carrying it off."

Everybody into the Pool! (Almost)

sports

By Debbie Hall

The opening of the Dow Health and Physical Education Center next fall will mark the beginning of a long-awaited on-campus swimming program.

Gordon Brewer, director of men's athletics, and William Vanderbilt, chairman of the P.E. department and the faculty advisor for the swim club, both describe the facility as "beautiful."

There is indeed potential beauty once one manages to untangle one's coat sleeve from a protruding pipe and escape the treads of the forklifts. Even with scaffolding instead of water filling up the pool, one can visualize swim meets with diving competitions, water ballet, and instructional classes.

The pool is the focal point of the main lobby and second floor lounge. Both areas are enclosed by a glass wall that overlooks the entire pool area.

Those students less inclined to be spectators may take consolation in knowing that a varsity swim team is a definite addition to Hope's interscholastic athletics for the 1978-79 season. Several years ago, swimming enthusiasts joined forces and formed the Swim Club. Members of the club practice at the Holland Community Pool whenever community teams or pool members aren't using it, which means early morning (before class) or late evening workouts. The competitive members of the club swim against other MIAA schools, but unofficially. With the addition of a varsity swim program, competitive swimmers will have regular, more convenient practice schedules.

Senior Eric Rollins has been the Swim Club student manager for the past four years. "I'm really glad to see it done," comments Rollins. "There are a lot of qualified swimmers here. It's a good feeling to know that they'll have a place and time to develop."

As of mid-March, a swim coach has not been hired. However, according to Vanderbilt, the P.E. department is looking for someone to fill the position of both coach and aquatics director.

The swim team is only one aspect of the Dow Health and Physical Education Center. According to Brewer, the facility encompasses all dimensions of a liberal arts philosophy, including athletic enjoyment, competition and complete physical fitness. Brewer went on to explain that together with the food ser-



vice and the addition of a required aerobics course for all incoming freshmen, the P.E. department wishes to create a greater awareness of proper diet and overall physical health.

Vanderbilt says: "The key idea at a Christian liberal arts college is to be involved in the

total development of a person. We see the physical dimension as being an important dimension of a developing human being. Plus, we're not only concerned with spectator sports, but active participation for anyone. Sports and recreation are beneficial and so,

why not have them be beneficial for a far greater number of students?"

Debbie Hall, a sophomore from Naperville, Ill., is assistant director of sports information at Hope.

Dutchmen Keep MIAA All-sports Lead

Hope continues to lead the all-sports race of the Michigan Intercollegiate Athletic Association (MIAA) thru the end of winter sports competition.

The Dutchmen jumped off to a substantial lead in the all-sports race with a highly successful fall sports season, but lost some ground during winter action.

The all-sports award is presented to the MIAA school with the best cumulative performance in all sports during a year. Hope last won the honor in 1966-67.

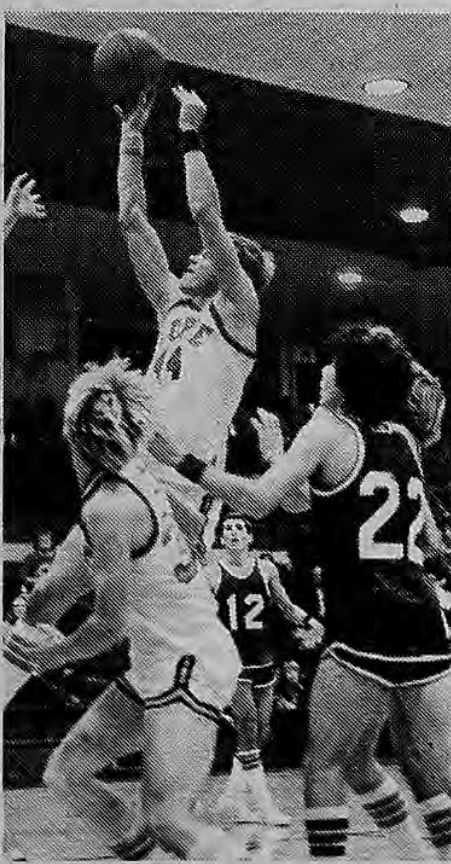
Thru winter competition, Hope had 46 points, followed by Albion with 44, Kalamazoo 40, Adrian 39, Alma 39, Calvin 39 and Olivet 27.

MEN'S BASKETBALL

Hope enjoyed its first winning season since 1970-71 as the Dutchmen posted an 11-0 record under first year coach Glenn Van Wieren.

Two of the team's victories were posted over Albion College (74-71 and 85-74) who subsequently went on to finish third in the NCAA Division III post-season national tournament.

Senior forward Jim Holwerda of Grand Rapids, Mich. was named most valuable player. Holwerda was named to the MIAA



Ironman cager Jim Holwerda (44)

all-conference second team for the second year in-a-row. Also a football standout at end, Holwerda was an iron man in the Hope basketball program. He played in 87 consecutive varsity games, finishing his career as the 9th alltime leading Hope scorer.

Named co-captains for 78-79 were Scot Peterson, a junior from Wilmette, Ill., and Bruce VanderSchaaf, a junior from Westmont, Ill.

The jayvees posted an excellent 14-3 record as freshman Kevin Setiz of Niles, Mich. was selected most valuable player and freshman Paul Damon of Grand Rapids as most improved.

WOMEN'S BASKETBALL

The women struggled through a 4-19 season as coach Anne Irwin was unable to mount a consistent offensive attack.

Barb Geeting, a senior from Fremont, Mich., was named most valuable player while Pat Henry, a freshman from Rockford, Ill., was most improved.

Freshman Kay Van Der Eems of Hawthorne, N.J. was chosen most valuable player on the women's jayvee team while freshman Anne Mulder of St. Petersburg, Fla. was selected most improved.

WRESTLING

Lacking personnel at some weight divisions, the wrestlers were winless in MIAA dual meets and posted a 2-11 overall record.

Several of the losses were caused by points given up through forfeits. In head-to-head competition Hope outscored several of its opponents.

Senior Bart Rizzo of Plainwell, Mich. was selected most valuable and most outstanding member of the team. The designation as outstanding was determined on the basis of points accumulated during the season while most valuable is awarded for contribution to the program. Rizzo posted a 13-4-1 record this year at the 150-pound division and had a career mark of 56-27-1.

Co-captains of the 78-79 team will be Paul Garmarian, a junior from Montrose, N.Y., and Mike Sutton, a sophomore from Shelby, Mich.

Junior Cliff Nicholson of Grandville, Mich. was runnerup in the 190-pound division of the MIAA tournament.

CHEERLEADERS

Kathy Button, a junior from Grand Rapids, Mich., was selected most valuable member of the cheerleading squad while Sam Aidala, a sophomore from Pine Bush, N.Y., and Chris Brauning, a freshman from Nashport, Ohio, were chosen most improved.

In the coop
I feel egg-like:
Contained, sulfurous,
Foul smelling.
Sweat smears my face
Like blood on a shell.

Wombwarm shavings
Swaddle the work
Of laying hens.
Some lay one dozen daily.
Each buries one or two,
Hoping against our hands.
We dig dust and ducklime,
Gather every one.

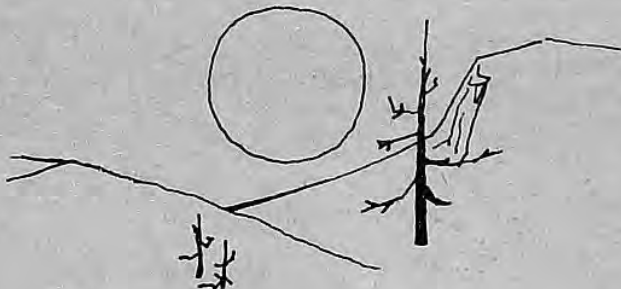
Some crack. These unborn
We feed to hens
That minutes back
Hissed our intrusion.
They battle to cannibalize.

Some eggs
Buried too deep
For heat or hands
Putrify. Death stinks.

Old hens lay less.
"Spin 'em by the neck till it snaps."
Fertility is life.

We collect the bodies
And gather eggs.
Counting both.

Richard Thayer, a senior from Holland, Mich.



Opus

Selections from the Student Literary Magazine

MOMENTS

The waves come tearing, angry, wind-pushed,
To vent their anger upon the rocks.
Then, purged, melt away
Whispering their apologies.

Jane Kuizenga, a senior from Pendleton, Ore.

OFF THE ISLAND

The sky is the color of dolphins.
On the ferry, we tip and sway—
A small boy running from side to side
To meet each crest of green wave.

Beside me, a woman
Like a fish tossed ashore
Blinks bright and frightened eyes,
Gropes for air.

Up front, two lovers wrangle in mock-anger,
Unnoticing everything, glaring into each other.

The dolphins arc down to the sea.
Rain begins

Jane Visser, a junior from Plymouth, Mich.

FIRE DRILL (Second Grade)

The buzzer sounds
and we fling from out seats
to the door.
That mean bleat
Repeats again,
Jolts us with fear
As Teacher soldiers us
Down the hall, Out the door
to the Playground
where slides glare empty
and swings are grimly still.

Billy Peterson cries, "Hurrah-
the-school-is-burning-down!"
But Teacher shushes him
and we in line
stare hard into the sky
for Smoke.

The buzzer quits.
Some of the kindergarten babies
are crying now.
Marsha hisses in my ear
and we shiver
and wait for the sirens.

I think of my raisin-bread sandwich
in the cloak closet
and my art project on the bulletin board.

Where will we go tomorrow?
But Principal appears
in a suit and tie untarnished by ash
and with an arm like GOD's,
He waves us back to learning;
Back to spelling bees and chewed erasers,
We chatter down the halls.

Jane Visser, a junior from Plymouth, Mich.

'Wooden Sneakers' Tells Holland's Stories

Have you ever wondered how stained glass was made? Alumni, do you find yourselves occasionally remembering "Chuck the Barber," who expounded on life all the while he clipped your crewcut? Parents, do you know that Holland's Russ' Restaurants evolved from a truckers' diner, owned and operated by a Dutchman who at first couldn't even properly slice the hamburger buns?

These stories and stories involving other fascinating Holland-area residents are contained in issues of "Wooden Sneakers," a magazine produced by Hope College students enrolled in sections of the freshman English program.

The sections are titled "Foxfire Holland" and are taught by Charles A. Huttar, professor of English. Original model for the project

was "Foxfire" magazine, which is published by students in Southern Appalachia and has spun off more than 80 similar publications in schools all over the country. The "Foxfire" books, anthologies of material from the magazine, have sold in the millions.

But the uniqueness of Hope's magazine is reflected in the name the students chose—"Wooden Sneakers." According to Huttar, this title combines a respect for the Dutch heritage with an iconoclastic independence of spirit worthy of the college generation.

Students enrolled in "Foxfire Holland" learn basic interview techniques and then group themselves into teams of two or three members. Armed with their assignments, these teams go into the community and interview people who have unique stories to tell.

After the interviews, students write the first drafts of their stories. These are evaluated by the class and revised, usually several times. Finally, the class selects the best writing for inclusion in the magazine. Students also provide artwork or photography to illustrate the stories.

Students do all the proofreading and layout. At the end of the semester, they take on the task of directly selling the magazine or distributing it to various Holland stores.

"Basically, the course is all about writing, but it's not only about that. Students gain confidence because they've tackled something and seen it through to completion," Huttar says.

Some students produce better writing for "Wooden Sneakers" than for ordinary essay

assignments.

"Often, the academic writing that students do is artificial," Huttar notes. "Students are writing only for the teacher."

"Good writing depends on a sense of audience as the student writes."

Huttar points out that the "Wooden Sneakers" project also introduces students to the notion that not all useful information is in print.

"In some ways, 'Wooden Sneakers' is akin to the oral history projects a few Hope students have been involved in during recent years—students learn to gather information that's stored in a person's mind."

Finally, "Wooden Sneakers" has often reminded both writers and their readers that "everyman" has a story to tell, and thus helped dispel some of society's prejudices.

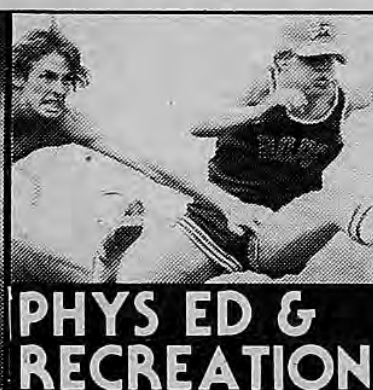
"The Holland community is amazingly rich in fascinating people," Huttar says. "We can't run out of material."

The magazine doesn't only focus on Holland's Dutch heritage. Huttar and his classes aim to include in each issue at least one story related to the city's Latino community.

The current winter, 1978, issue of "Wooden Sneakers" may be purchased by writing Dr. Charles A. Huttar, English Department, Hope College, Holland, Mi. 49423. The mail order price is \$1.25 per copy. The first issue of the magazine (spring, 1977) is still available and may be ordered with the current issue for a total cost of \$2. Checks should be made out to Hope College.



WRAPPING UP "SNEAKERS"—Dr. Charles Huttar labors arm-in-arm with students to ready "Wooden Sneakers" for publication.



The following is taken from an interview with Dr. James J. Malcolm, dean for the performing and fine arts and professor of theatre.

Q. What are the unifying characteristics of your division?

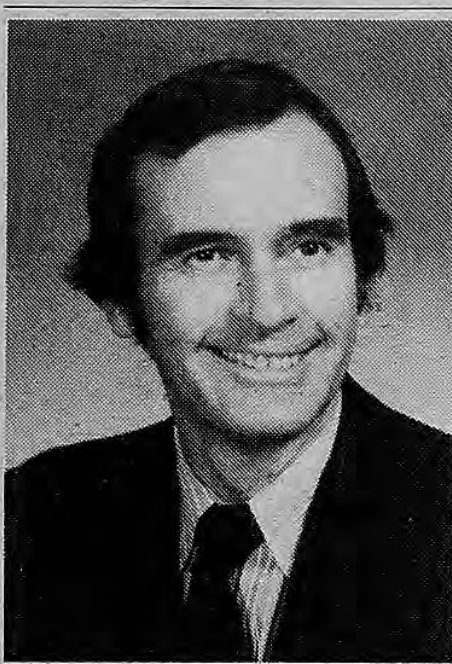
A. If you look at particular activities of departments in our division, you can see how easy it would be to place them in different divisions. Art history and drama criticism may belong in the Humanities. Research in physical education could draw that department into Natural Sciences. Some aspects of dance and theatre, therapy and creative drama, for example, might argue for a place in Social Science. But we are together in this division because of a focus which is a distinction of our departments not shared to a significant degree by other departments of the College. We are unified by our concern with performance—in a deep and serious way with play itself whether expressed in a painting or a passed football.

Q. Can you expound on that?

A. It's hard to expound on it. It's like trying to explain worship, or wonder, or love. When 70,000 people will gather in one place to watch a football game on Sunday afternoon, something important, something passionate, must be taking place. A choreographer realized that when he said football was about vertical, not horizontal, yardage. Now that sounds like balony at first, and if it's true, may witness to a great loss in our society especially when you consider that all of Athens would turn out for a tragedy as well as for a track meet. But it can't be ignored. Play is serious and it's play which draws our departments together more than other things push us apart. I'm sorry our contemporary forms of public play are no longer equally popular—that Pavarotti doesn't draw as well as Pele. Nevertheless, as Edmund Wilson explained it recently, the myth of the fallen hero was still alive when Ali fought Spinks. Boewulf, Hamlet and Ali have something in common. Besides, who can deny it? Football players have rehearsals, wear costumes, entertain audiences, follow scripts (playbooks), improvise, have protagonists and antagonists—and, oh yes, the temperament of an athlete is barely distinguishable, if at all, from that of an artist. In our division, words culminate in action—performance and play.

Q. Have the programs or emphases of your division changed significantly in recent years?

A. I don't think so. Logical growth would describe things more accurately, I think. The new Health-Fitness Program is an extension of our Physical Education Department's constant concern with healthful recreation, beneficial play, reinforced by knowledge of nutrition and applied physiology if we can speak of it that way. Theatre has always underscored the educational aspect of its work, but until this year never assigned an undergraduate to direct a major production. Two students have done that this year. That's not a "significant change" as much as an inevitable outcome of a



Dr. Malcolm has held his present position on the Hope faculty since 1975. He was a member of the theatre department faculty from 1963-69. He received the A.B. degree from Wheaton College, the B.D. from Fuller Seminary, a S.T.M. degree from Union Theological Seminary and a Ph.D. in theatre arts from the University of Minnesota.

consistent educational approach. Hope's dance program is, perhaps, the most significant addition to the overall arts scene with high student interest, improving public performance and developing vocational possibilities.

Q. Do you foresee Hope ever offering a major in dance?

A. I would hope so. I think that in a time of financial crunch, when colleges don't have (or don't think they have) the extra money to experiment and expand, it is hard to say when it will happen. But I think that a small financial investment in dance would produce large results in recruitment of students and expanded reputation.

Q. What are the expanded possibilities for dancers?

A. Well, there are people who go into dance therapy now. We have some students who are teaching in colleges and universities, and we have a few people who are even working at being in the professional dance world itself. In addition to that, many states, such as our own, have passed laws saying there have to be art specialists employed by counties to work with educational institutions—frequently they are people who must have experience in dance as well as music.

Q. What are the main emphases in the academic programs within your division?

A. An arts faculty operating in a liberal arts college has to decide when enough is enough.

We are not artists teaching in an academy setting. Yes, we have responsibilities toward serious students in our fields. We can't short-change them in performance and studio training. But if that's all they want from us they do not belong at Hope College. And if that's all a faculty member wants to give perhaps he or she doesn't belong here either. We have an extended responsibility which reaches out to students in other disciplines, drawing them into the "arts experience" as an edifying part of life. We have, then, two emphases in our programs. The first is to give solid training to students who will want to build on that training in a variety of ways after they've completed their work in a liberal arts college. The second is to provide the campus with opportunities to participate in, to observe, to learn about, the ways in which man has given beauty and insight to life through art.

Q. What are your division's strengths?

A. The faculty is our primary strength. It represents a very high level of artistic excellence. People have known for years of the Music Department. Though occasionally, we still run into someone, even in Grand Rapids, who's surprised to hear about it. Gradually the theatre department is receiving well earned recognition. Few colleges anywhere operate on so high a level of production. Dance offers the only K-12 certified minor in the state. Our painters and printmakers are aggressive exhibitors. Our physical educators are among the few left who don't exalt athletes above all others, or use them as flesh props, or get their values from Philistia instead of Israel. Still, reputations are built slowly and one is sometimes impatient to see the arts at Hope have its accolades catch-up with its achievement.

Q. What do you see as the major challenges your division will face?

A. I think the challenge is to attract students equal to the opportunities of the program. I mean by that, getting gifted students who are often wasted in large universities to come to Hope for all of its arts. Another challenge is for us as a faculty to become stronger advocates for the arts as an essential of life in a campus atmosphere which, for now and maybe the trend is coming to an end, is perhaps too oriented toward programmatic and vocational things. It will also be a challenge in the future to keep the prophetic quality of art from being compromised by the views of some who think art should be decorative and nice rather than upsetting, challenging, convicting, and even sometimes offensive... we must try not to let the builders reject too many stones... our salvation requires it.

Q. How do you do that?

A. I'm not sure. If you talk about the Art Department—then clearly a new facility would help, along with additional funds to stimulate a first-rate exhibition program. Right now the art facility is away from campus traffic and that makes it hard to keep art

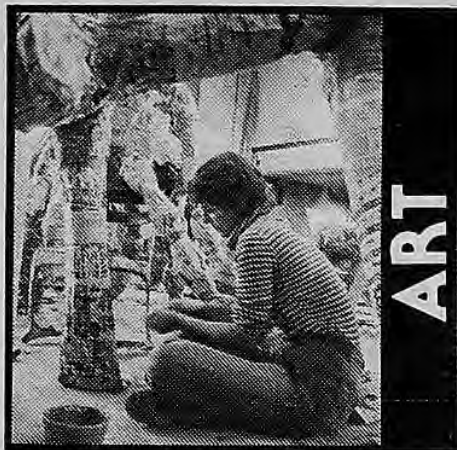
where students trip over it, like it, or find it offensive—in some way interact with it. A new interdisciplinary art course is being planned which will give an incoming student with little arts exposure a first glimpse of things from fine jazz to lithography. Through that course we hope to introduce some of our faculty artists who perform professionally and are sometimes unknown to students routinized toward non-art career goals. We hope to increase the number of students who would find it natural to watch a vocal recital from the stage of the Met on one channel and then switch to a heavyweight championship fight on another. That legitimate alternative existed a few weeks ago on television and I thought it was a stimulating evidence of how ranging human action can be. As artists we need to fertilize one another much more than we do... to break down the barriers which keep a studio artist from designing for the stage, or the theatre from mounting a concert cum dance cum acting—the works, or singers from learning how to act. I think the barriers are weakening. As they come down, we in the arts will find our impact increasing and more toward the goal of seeing art integrated into the more evidently practical concerns of college life.

Q. What career counseling would you give to a student planning to major in a field within your division?

A. Just today a student in the Kletz asked a visiting professional dancer if she became a dancer to make a lot of money. She laughed and had some trouble explaining that her profession chose her; that she did not choose it in the usual sense. She was driven to be a dancer and would be one, no matter what. For many in our division, art comes first and there's little advise to give beyond the warning that few make a living from it and many survive through the grace of Office Temporaries. The professionally oriented painter or performer has a strong career counsel from within. For others, art maybe is an avenue into less high risk areas. Many of our students head toward teaching, toward community recreation work involving all the arts, toward industry, where art and liberal education have applicability. In general, though, we can't honestly talk about clear "vocational" career counselling—most of our students are already committed to being artists whatever else they may have to do to earn a living.

Q. Is teaching a popular choice for people who do want to be artists but must support themselves? Do you encourage it as a choice? Has it been good to you and your colleagues?

A. Well, I like to teach. I did consciously chose it. I think the one problem for people who teach is that if they haven't resolved to a large degree their career hopes and expectations, they are going to be divided in their commitment to a liberal arts college. I think one has to have a certain integrity about that. That's where the bulk of our salary is coming from, that's where the bulk of our time is supposed to be spent, that's what our main objective is.



ART

Faculty:

Bruce McCombs, Assistant Professor of Art
Delbert Michel, Associate Professor of Art
Robert Vickers, Professor of Art
John Wilson, Assistant Professor of Art and Chairman of the Department

Percentage of above holding Ph.D. or other terminal degrees: 100%

Building: Rusk & Phelps basement

Special resources: Art Department Gallery, DeWitt Cultural Center Slide Library

Minimum requirement for major: 36 hours art courses
Course offerings designed to fill core curriculum requirements:

Art History Survey I

Art History Survey II

Complementary off-campus programs: GLCA New York Arts Program

Number of Majors, 1976-77: 27

Number of Graduating Majors, 1977: 8

Percentage of 1977 graduating majors who applied to graduate or professional schools: 12.5%

Percentage of above who were accepted into graduate or professional schools: 100%

"The art department emphasizes a variety of course offerings. This emphasis is consistent with the philosophy behind a liberal arts education," says John M. Wilson, chairman.

"A student coming out of our program has been exposed to a variety of media and has studied under several faculty members. As a result, the student's work has variety and doesn't bear the rigid stamp of a single teacher. He has a variety of specific skills and has been encouraged to find his own solutions to the problems in his own art."

"We provide breadth and balance. This is a significant strength of our department."

Another strength Wilson points to is the professional competency of the faculty. Works by Hope College art faculty members are part of the permanent collections of over 60 museums and galleries in the United States and five foreign countries.

"All are exhibiting artists, technically adept and operating as professionals," Wilson summarizes. (See story about a faculty member's art, page 11).

Wilson, who came to Hope in 1971, brought to the department his expertise as an art historian. Art majors choose either a studio concentration (in painting, printmaking, drawing, sculpture or ceramics) or an art history concentration.

Wilson says that a student with an interest in graphic arts and design can get at Hope "a good background for further study."

"I recommend that a student with an interest in graphic arts get as much general background as possible. He or she can then bring imagination and life to bear on a profession that might otherwise be very restrictive."

In recent years there has been an increased emphasis within the art department on involving students in activities which put them in touch with the larger art world. Regular trips to Midwestern art shows and museums are scheduled, students participate in seminars, and arrangements are made periodically to bring visiting artists and lecturers to Hope's campus. Students are also encouraged to enter invitational shows and exhibit in the College's art gallery.

This month the Hope gallery will host a student's one-man show and, later, a student-arranged exhibit of contemporary prints on loan from a New York gallery (see story page 9).

Hope art majors have opportunity to spend a semester in New York City, under a Great Lakes Colleges Association fine arts program. Students enrolled in the program are placed in professional apprenticeships, do independent study and attend seminars.

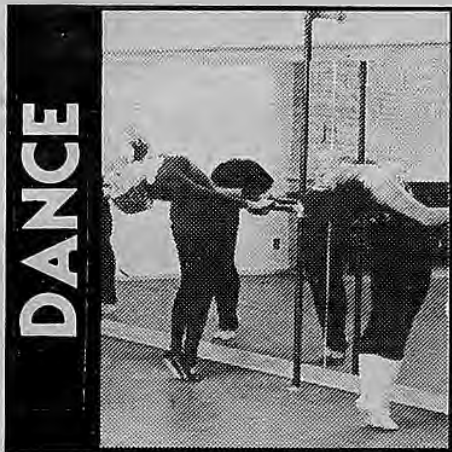
"For the right kind of student, this program has enormous value as an education in and of itself, and as a guide to future vocations in the arts," says Wilson.

The art department's biggest challenge at this point, according to Wilson, is "to get the art department under one roof so that through physical means we can achieve more unity."

The department is presently housed in two separate facilities—a converted two-story factory adjacent to campus and the basement of a campus dormitory.

"Getting together in one building will enable students to see each other's work, and to share a spirit of comradeship and identification with each other as artists," he notes.

"A central facility will also extend our visibility to the non-art major component of the College community, as well. It will enable us to make a broader appeal to students who had an interest in art in high school but have chosen some other major and conclude that this means art courses have no place in their educations."



DANCE

Faculty:

Charles C. Aschbrenner, Associate Professor of Music
Robert M. Cecil, Associate Professor of Music
Maxine DeBruyn, Lecturer in Dance and Coordinator of Dance Program

Sandra Parker, Assistant Professor of Physical Education
John Tammi, Assistant Professor of Theatre
Rich Rahn, Teaching Associate in Dance
Edward Riffel, Teaching Associate in Dance

Buildings:

Studio presently in Durfee Hall basement. As of August, 1978, will be housed in Dow Health and Physical Education Center.

Minimum requirement for a minor: 20 hours

Course offerings to fill core curriculum requirements: technique & theory courses

Complementary off-campus programs:

Philadelphia Urban Semester (dance therapy)

GLCA New York City Arts Semester

The dance program at Hope is offered jointly by the departments of theatre and physical education and recreation, with the assistance of the department of music. Students may earn a dance minor, or combine a dance minor with a composite major in biology and psychology for a program in dance therapy.

The development of the dance program at Hope has been dramatic. In the mid-sixties, a handful of students enrolled in the first offering, a class in modern dance. By the early '70s the curriculum had branched to also include instruction in tap, jazz, modern, ballet, folk and square, and period dancing. In 1974 the interdisciplinary dance program was formally established. In 1975 the minor program was certified for grades K-12 by the Michigan Department of Education. This year the program in dance therapy is being offered for the first time.

Currently there are approximately 15 techniques classes offered each semester, and all have maximum enrollments.

"There is a great interest on campus in dance," says Maxine DeBruyn, coordinator of the dance program. "Many students are interested in dance as an art, and others are curious about dance since many of them have never before been exposed to it to any significant degree. They enroll in a dance class and become creatively and intellectually involved."

DeBruyn emphasizes that dance involves the intellect as well as the body.

"A dancer must understand time, energy and space. A dancer uses time and energy to break up space artistically. This takes tremendous intellectual power. It is really no different than an artist putting shapes on a canvas—a dancer must put shape on a stage."

DeBruyn believes that one of the strengths of Hope's program is that all dance forms are offered on an equal level.

"The equality of our program culminates and is evidenced by our annual dance concert,

in which a variety of forms are featured," says DeBruyn.

Moreover, each student is encouraged to learn several dance forms.

"We encourage wide experience in our minor program. It's better if students haven't prejudged their talents, but allow their bodies to develop and then decide on a specialty to pursue in graduate school or a professional school of dance."

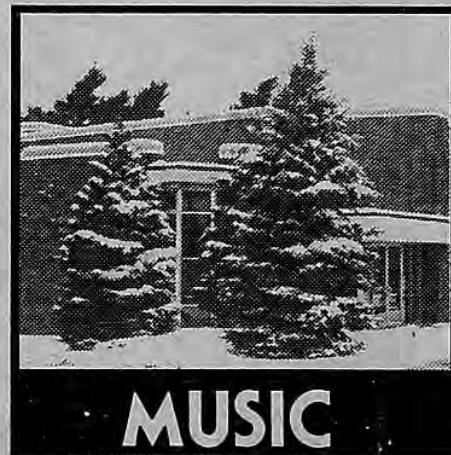
In addition to a full offering of technique courses, the curriculum includes courses in theory. Hope is the only certified school in Michigan that offers courses in eurhythmics, DeBruyn reports.

As DeBruyn looks ahead she sees a challenge to develop a major program in dance and, at the same time, pursue other areas, including dance research, aesthetics, philosophy of dance, and dance criticism.

Dancers at Hope look forward to the opening of the new Dow Health and Physical Education Center this fall. The facility includes what DeBruyn describes as "a spectacular studio."

"We will be able to do workshop performances in the new facility, and also broaden students' composition experiences. We need to get more students creating."

"And, of course, the opening of the new building means that for the first time in history, dancers at Hope will have a place to call home."



MUSIC

Faculty:

Charles Aschbrenner, Associate Professor of Music
Robert Cecil, Associate Professor of Music
Joan Conway, Associate Professor of Music
Roger Davis, Associate Professor of Music
Jantina Holleman, Associate Professor of Music
Anthony Kooiker, Professor of Music
Terry Moore, Assistant Professor of Music
Joyce Morrison, Associate Professor of Music
Roger Rietberg, Associate Professor of Music
Robert Ritsema, Professor of Music
Stuart Sharp, Associate Professor of Music and Chairman of the Department

Percentage of above holding Ph.D. or other terminal degrees: 28%

Building: Nykerk Hall of Music, Wynand Wichers Addition, Dimnent Memorial Chapel (performance organs)

Special Resources, Equipment, etc.:

Music Library

Wichers Music Auditorium

Four-manual Skinner Organ

Two Manual Pels and van Leeuwen-Alkman organ

Electronic Piano Lab

Minimum Requirement for Major:

B.M. Performance—81 hours of music courses, 46 hours general studies

B.M. Music Education—63 hours of music 26 hours Education & Music Education Courses, 16 hours general

Course offerings designed to fill core curriculum requirements:

Introduction to Music

Music Performance Classes

Ensembles

Complementary Off-Campus Programs:

New York Arts Program

Philadelphia Urban Semester

Number of Majors, 1976-77: 85

Number of Graduating majors 1977: 18

Percentage of 1977 graduating majors who applied to graduate or professional schools: 25%

Percentage of above who were accepted into graduate or professional schools: 100%

The music department credits a major part of its reputation for excellence to a strong faculty, according to Stuart W. Sharp, chairman.

"All of our faculty are teaching some combination of classes—they're specialists but also able to handle general things. By and large, the faculty has a humanistic outlook that's very healthy."

Sharp also points to the fact that all music faculty members maintain a performance schedule through the College's Faculty Chamber Series, individual recitals, or involvement in area musical groups.

"Performance keeps the teacher in touch with the demands of making music. It enables one to maintain a good perspective, and one's sensibilities remain keen," says Sharp. "The performing professor can empathize with what's involved in presenting a senior recital, for example."

"This contributes to very positive student-faculty relationships."

The department offers a well-developed music curriculum. Majors can elect to earn a bachelor of music degree in either vocal music education, instrumental music education, or performance. Other music majors choose to earn the bachelor of arts with a major in either music literature and history, or music theory.

Sharp believes it's valuable to pursue musical training within a liberal arts context.

"Musicians can become a rather narrow breed, partly because music is essentially non-verbal, and musical training is often very technical. In a liberal arts environment, the musician is challenged and urged to mature."

He notes that in recent years there has been a slightly greater diversity of interests among music majors. Some construct composite majors in music/theatre or music/dance. Others, interested in a career in music therapy, major in music and psychology or sociology. Another growing field is arts management, calling for a business/arts major.

A variety of ensembles—ranging in size from the Chapel Choir to a madrigal group, the Symphonette orchestra to the Wind Ensemble—are open to both music and non-music majors alike. Cooperation between the departments of theatre and music affords what Sharp calls "marvelous opportunities" in musical theatre.

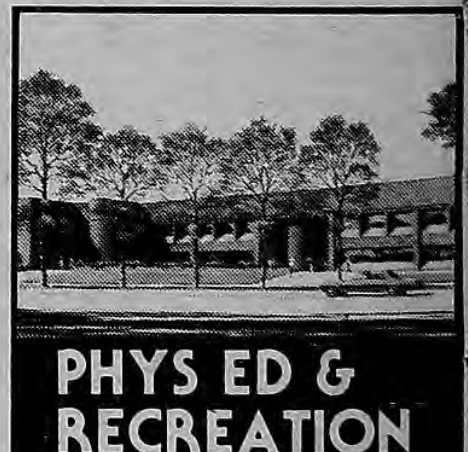
The department's physical plant, Nykerk Hall of Music, contains its own music library, a fine recital hall and more than ample practice rooms. Two significant performance organs of contrasting styles and types are located in the College's Dimnent Chapel.

Sharp says the department's approach to music education is "classical."

"We are still concerned with traditional music. Our students spend much of their time studying the mainstream of orchestral and choral literature. Students are given opportunities to be more adventuresome in their private performances, such as the senior recital."

The music department maintains a vital concern for supplying the liberal arts student with a musical background. An electronic piano laboratory, installed last year, allows the department to teach functional keyboard skills to a far greater number of students each semester. Membership in the ensembles also provides exposure for many students, as does a full calendar of cultural and concert events sponsored by Hope.

"One of our challenges is to continue to relate strongly to the campus community," says Sharp. "Arts education isn't limited to the classroom. It has to be pervasive. That's really critical for us."



PHYS ED & RECREATION

Faculty:

Gordon Brewer, Associate Professor of Physical Education
Maxine DeBruyn, Lecturer in Dance
Russell DeVette, Professor of Physical Education
Lawrence Green, Professor of Physical Education
Anne Irwin, Assistant Professor of Physical Education
George Kraft, Associate Professor of Physical Education
Sandra Parker, Assistant Professor of Physical Education
Richard Peterson, Director of Health & Physical Education Program

Raymond Smith, Assistant Professor of Physical Education
William Vanderbilt, Associate Professor of Physical Education

Glenn Van Wieren, Assistant Professor of Physical Education

Percentage of above holding Ph.D. or other terminal degrees: 51%

Building: Dow Health & Physical Education Center (to be completed Summer, 1978). Presently Carnegie-Schouten Gymnasium

THEATER



Faculty:
 Patricia Vandenberg Blom, Designer, Costumer and Lecturer in Theatre
 Donald Finn, Associate Professor of Theatre
 Michael Grindstaff, Manager Theatre Facilities and Lecturer in Theatre
 George Ralph, Assistant Professor of Theatre and Chairman of the Department
 Richard Smith, Assistant Professor of Theatre
 John Tammi, Assistant Professor of Theatre
Percentage of above holding Ph.D. or other terminal degrees: 33.3%
Building: DeWitt Center
Special Resources:
 Two Theatres: one combination thrust/proscenium; second flexible arena
 Small dance studio
 Scene and costume shops
 Proscenium stage has full fly loft
Minimum requirement for major:
 Major core of 26 hours; additional curricular requirements flexible, depending on individual student's major contract—may include non-departmental courses (such as dance, singing training, etc.)
Course offerings designed to fill core curriculum requirements:
 Introduction to the Theatre
 Religion and Drama
 Complementary off-campus programs:
 GLCA New York Arts Program
 To a lesser degree, GLCA Philadelphia Program, and Chicago Metropolitan Program
Number of Majors, 1976-77: 22
Number of graduating majors, 1977: 7
Percentage of 1977 graduating majors who applied to graduate or professional schools: 0

"There is an expansive feeling in the theatre department," says George Ralph, chairman. "Our program, which formally began 10 years ago, has been constantly growing. For instance, we now have a heavier emphasis on performance. It's conceivable that it might be less so in the future."

Ralph says the department's performance curriculum is "more varied and more intensive" than is typical at schools of Hope's size. The program at Hope in design and technical theatre is "solid, but less unusual in range of offerings," Ralph notes.

"One of the advantages of a smaller institution is that the student has more chance to develop practically, more chance to be on stage, more chance to be actually involved in production design. Many students who want to and can be operating at peak in our program."

"We feel it's important that a student be encouraged to develop his or her full potential."

This year two of the department's four annual main stage productions are being directed by students (see story, page 00).

"While this is the first year that a student is directing a major performance, the policy is not new... only the implementation is. We always maintained that a student should have this opportunity if the faculty thought he or she was ready for it."

The number of students enrolling in theatre courses is on the increase, Ralph notes. He says student "cohesiveness" has also grown, pointing as an example to "Theatre Forum," an organization which now functions almost totally independently from the theatre faculty. The Forum plans seminars, discusses curricular needs, critiques productions and periodically visits with guest artists.

Theatre students are "by and large, not narrow in terms of their theatre interest," according to Ralph. "They are liberal-arts oriented, with varied interests and academic backgrounds. Many are serious about wanting to become professionals. Some are also double majors, which I think is healthy for our program."

The department points with pride to its facilities. Two separate theatres, the main stage (with thrust and proscenium options) and a smaller studio stage, provide flexibility. Ralph says the department is "dedicated to

maximizing the use of our facilities" through one-act plays, major productions, and a summer theatre program.

One of the functions of the summer theatre is to provide a laboratory for Hope theatre students, giving opportunity for a fulltime theatre experience, and enabling them to work with students from other institutions. Membership in the summer theatre company is through audition. An apprentice program gives interested high school and college-age students practical exposure to working theatre.

Ralph says the department is constantly looking at the curriculum to insure that it meets students' needs.

"We strive to remain sensitive to currents

and changes in theatre practice, while avoiding fads. It's easy for an institution to become isolated."

"Our challenge is to constantly monitor our academic program to prepare a student for graduate school and for a variety of professions."

Theatre majors "tend to keep their options open and be realistic," Ralph says. Teaching and arts management are current popular career choices.

"The ideal goal is to get into regional repertory theatre. That's where you can develop talents. But most theatre students also have some other goals to fall back on."

Brico Symphony there. Before 1968, it was the Denver Businessmen's Orchestra.



Student Brings New York Pop Art Exhibit to Campus

"People say they don't understand Pop art. But often they don't understand it because they've never really been exposed to it. And Pop isn't always meant to be understood, sometimes it's just meant to be fun," claims Mary Bruins, a senior from Holland, Mich., who is bringing to Hope a show of Pop art prints on loan from a prominent New York gallery.

Although Bruins says she has no particular or exclusive affection for Pop, she's bringing the show to Hope because she feels it's valuable for students to be exposed to the style.

"Often in survey courses, you're at the end of the semester by the time you get to that chapter in the book," she notes.

The show, titled "The 60's in the 70's," will contain works of the forefathers of the original Pop movement who remain present in the New York art world today. The show runs April 9-22 in the College's art gallery upstairs in the DeWitt Student and Cultural Center.

"The point of the show is to compare the different styles of the artists—from earlier in their careers to a current standpoint," Bruins says.

Included will be prints by Jasper Johns, Ellsworth Kelly, Roy Lichtenstein, Claes Oldenburg, Robert Rauschenberg, Frank Stella and Andy Warhol (including his well-known Marilyn Monroe and Soup Cans prints).

Also on display in the Gallery at that time will be some prints of old masters, new acquisitions of the art department.

The show is an outgrowth of Bruins' experiences last semester when she was enrolled in the Greak Lakes Colleges Association New York Program and worked as an apprentice at Castelli Graphics Gallery.

All the prints in the show are on loan from Castelli's, which has been at the forefront of

the promotion of Pop.

Bruins says that her semester in New York taught her the full gamut of gallery operations, "from doing the dishes to hanging a show."

"At Castelli's I got a fast lesson in current art history to really be familiar with our artists' works. I learned by doing invoices, inventory, packaged works for shipping, and eventually commandeered the sale of a \$12,000 print to a Swiss collector!"

Among Bruins' memorable New York experiences was a visit to Rauschenberg's home, a four-story converted orphanage complete with a chapel and an Egyptian mummy. She also worked alongside Jasper Johns while hanging a show. He has a reputation for solemnity, but managed a smile when Bruins complimented his taste in boots, which happened to match her own.

Bruins is interested in a career in gallery management. She decided to try to stage a show at Hope to "test myself to see if I could do it on this scale."

Bruins has handled all aspects of organizing the show, including obtaining funding, selecting the works, and publicizing the event. She will hang the show when it arrives, which may prove to be among her larger tasks: a show of works by Senior Paul Pettys comes down the morning of the 9th and Mary's show must be up the same afternoon.

Bruins is majoring in both art and business administration. She admits that the combination is a bit unusual.

"Most artists aren't managers. They have little concept of how the two fields are so closely related in the promotion of their work."

"As for me," she adds with characteristic assurance, "I'm a business major because I'm good at it. I'm an art major because I like it."

Renowned Conductor Directs Symphonette

On February 21 the world's most famous female symphony conductor tapped the Hope Symphonette orchestra to attention. For the following hour, Dr. Antonia Brico provided Hope students with insights into her remarkable character and talent as she put the ensemble through some demanding musical paces. The Symphonette's reaction?—they adored her.

Dr. Brico rehearsed selected movements of Mendelssohn's "Italian" Symphony No. 4 in preparation for the Symphonette's upcoming spring tour to the West. (see page 2)

Dr. Brico, 73, is a graduate of the University of California-Berkeley. She made her debut as a conductor in Europe with the Berlin Philharmonic, and soon thereafter conducted at the Hollywood Bowl. She then returned to Europe, where she studied with the great Karl Muck for six years. Finland's renowned composer Jan Sibelius opened doors for her in his country, and she also conducted in many other parts of Europe.

Dr. Brico became well-known in America after one of her former piano students, popular singer Judy Collins, made a documentary film on Brico's life and her struggle to overcome the barriers of sex, which prevented access to many major orchestras.

A resident of Denver, Dr. Brico is the permanent conductor of what is now called the Brico Symphony there. Before 1968, it was the Denver Businessmen's Orchestra.

Alan Bedell, assistant professor of German, renewed his acquaintance with Dr. Brico during her short visit to Hope. Bedell, while a graduate student in Denver, was a member of a chorus that sang Beethoven's Ninth *auf Deutsch* under Dr. Brico's baton.

Dr. Brico encouraged the Symphonette to play the Mendelssohn work up to tempo, despite aghast looks when she initially suggested the possibility. She told students to



"have courage" in difficult sections of the work, and also admonished a few members to stop chewing gum out of rhythm.

Dressed in a tailored gray suit and an Alpine ski sweater, Dr. Brico revealed that she had been born in the Netherlands of Dutch and Italian parents, making her "mixed pickles." She said she had long looked forward to

visiting Holland to buy some Dutch souvenirs and visit a Dutch bakery.

Brico promised the Symphonette she would come to hear them perform when they tour in Denver, providing she is not on tour herself.

"Dr. Brico's visit gave the Symphonette the opportunity to play under the direction of a world-renowned musician," says Dr.

Robert Ritsema, professor of music and conductor of the Symphonette whom Dr. Brico referred to as "your Poppa" during her visit.

"More than what they may have actually learned during that hour, students had the experience of playing under a personage like Dr. Brico. It gave them a thrill and an added incentive to develop as musicians."

Student Directed Play Is a Hope First



When *Life with Father* opened on the DeWitt Center main stage on Feb. 23, a little more history was made by the theatre department at Hope College. The comedy, based on short stories by Clarence Day, was the first main season production at Hope to be directed by a student.

In many ways *Life with Father* was a learning experience for everyone involved (including the Hope faculty members not directly involved this time). But perhaps no one learned as much as Susan Moored, the young woman who made it all happen when last year the Theatre Council chose her as the first student to direct the third of four plays in the 1977-78 season.

What did the senior theatre major from Grandville, Mich. learn as director?

"I learned that I have much, much more to learn. And I learned that I have a knack at keeping a cast together."

Moored came to Hope after having served as an apprentice in the Hope Summer Repertory Theatre after her graduation from high school in 1974. Throughout the last four years, she has been involved in varied aspects of Hope theatre—as an actress, assistant director and stage manager.

"I enjoy acting," she says. "I love exploring and developing a character. But I find that once I've done that and after I've played that character for seven days, I can't do any more with it and I'm ready to move on."

"The thing I like about directing is that you work on the total picture. You can pick out the 'moments,' the scenes in which life is recreated, and capture them on stage, in much the same way that a painter captures moments and puts them on canvas."

The experienced director of "one-acts," plays produced on the studio stage in DeWitt's basement, found several differences between directing downstairs and directing upstairs.

"I never had to deal with so much script before," she says, still a little incredulous.

"Previously, I had to think about two characters, now I had to be concerned with 16. And I had never had to confront such a big stage that is so open and has some problem diagonals."

"Also, in the back of my mind was always the thought that people would be paying \$3 to see the play. I would hate for them to be disappointed."

Moored read and reread *Life with Father* all last summer. In the fall, the technical meetings began to plan what for her were the most difficult aspects of the director's role. Among the interesting choices Moored made was the decision to change the time setting of the play to 1904 instead of the 1880's called for in the original text.

"I wanted a softer line of costume, and by 1904 bustles were out," she explains.

Also the student director chose to employ thrust stage. "*Life with Father* is a play about human relationships. It's warm and loving. To me, the play demanded that the audience be close, be involved in the action, rather than placing the wall of the proscenium arch between them and the lives on stage."

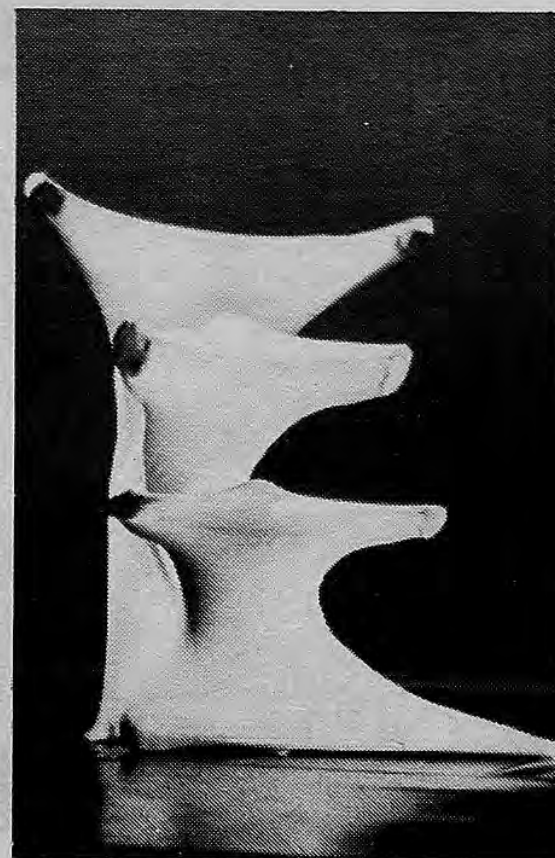
What's the most important thing about directing? Staying organized, says Moored. "It's rude not to let the actors know what's expected of them."

Where do you go from the director's chair of a major Hope theatre production? Back down to the studio theatre, and with no sense of letdown, Moored claims. "You have so much more freedom in the studio theatre. In educational theatre you don't have to concern yourself with an audience—you do what you do for the end product."

Career plans? They're open and varied at this point. She says she'd like to teach, become a theatre producer, go into filmmaking, or develop some Biblical "moments" for either the stage or screen.

"Theatre is something you can commit yourself to, something that enables you to grow in depth," she concludes.

DANCE IV



Professor Makes Big Noise on Art Front

Reprinted with permission from The Grand Rapids Press

Bruce McCombs, assistant professor of art at Hope College, is a man who keeps a low profile.

In a crowd of his peers, he might easily be overlooked. He is slight, blond, wears glasses, looks much younger than his 34 years and could pass for a student.

On campus, he is described as "quiet," but McCombs is making a noise in art circles. He has won 60 awards for his prints, which have been exhibited in more than 80 competitive shows, and he has been invited to exhibit internationally.

Recently, he had an etching, titled "Five After Four," purchased for the permanent collections in the Library of Congress, after it was exhibited in National Print Exposition in Washington, D.C.

All of this, McCombs takes in stride.

"The important thing is to keep working," he said. "Of course, one wants to be successful, but in the case of most artists, the primary need is to be creative."

He graduated from the Institute of Arts in his hometown of Cleveland with a bachelor of fine arts degree, then went to Tulane University for his MFA degree and was appointed to the staff of Muskingum (Ohio) College in 1968.

He taught for a year there and joined the Hope College faculty.

In 1968, McCombs won a \$1,000 purchase prize in the American Graphics Annual Exhibition and the medal of honor from the

Painters and Sculptors Society of the New Jersey State Museum.

In his early years of printmaking, he covered a variety of subjects, but in 1971 he began a series of connoisseur cars.

"I did a few old automobile prints, but began to do prints of cars like the Duesenberg and the Peerless," said McCombs. "When I got tired of doing those, I switched to World War I fighter planes and airships, like the blimps and dirigibles."

From these, he went to street scenes of the turn of the century.

"Funny thing about my prints," said McCombs. "They are always imaginary scenes, but everyone thinks he can identify the places."

"In my recent print 'Five After Four,' a critic wrote that it was Times Square as I thought it might have looked."

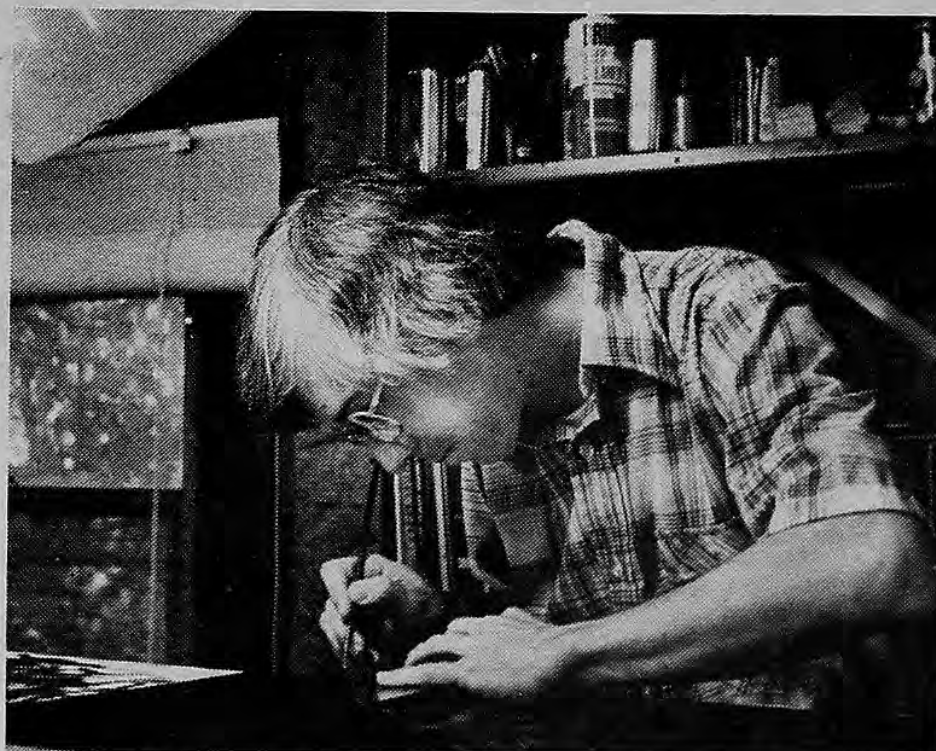
It is this imaginary association which charms the viewer.

It is easy to imagine a German ace looking over machine guns in an Albatross. Or someone walking along a small town street in search of an ice cream parlor.

Whatever the content, it is the right formula for McCombs.

It has led to invitations to the 5th British International in Krakow, Poland, the International Biella of Prints in Biella, Italy, and the XI International Biennial of Graphic Art in Lubjana, Yugoslavia.

His prints hang in the Whitney Museum of Modern Art, the Springfield Museum and he is represented in Hawaii, and other regional museums in the United States as well as private and corporate collections.



He lives in a newly remodeled studio-home in Holland and spends most of his time away from teaching making prints.

He is married and his wife Linda, 34, acts as his business manager. An accomplished printmaker herself, she feels "one artist in the family is enough."

He does his printing himself because he feels he does it best.

"There was a time when I did a lot of draw-

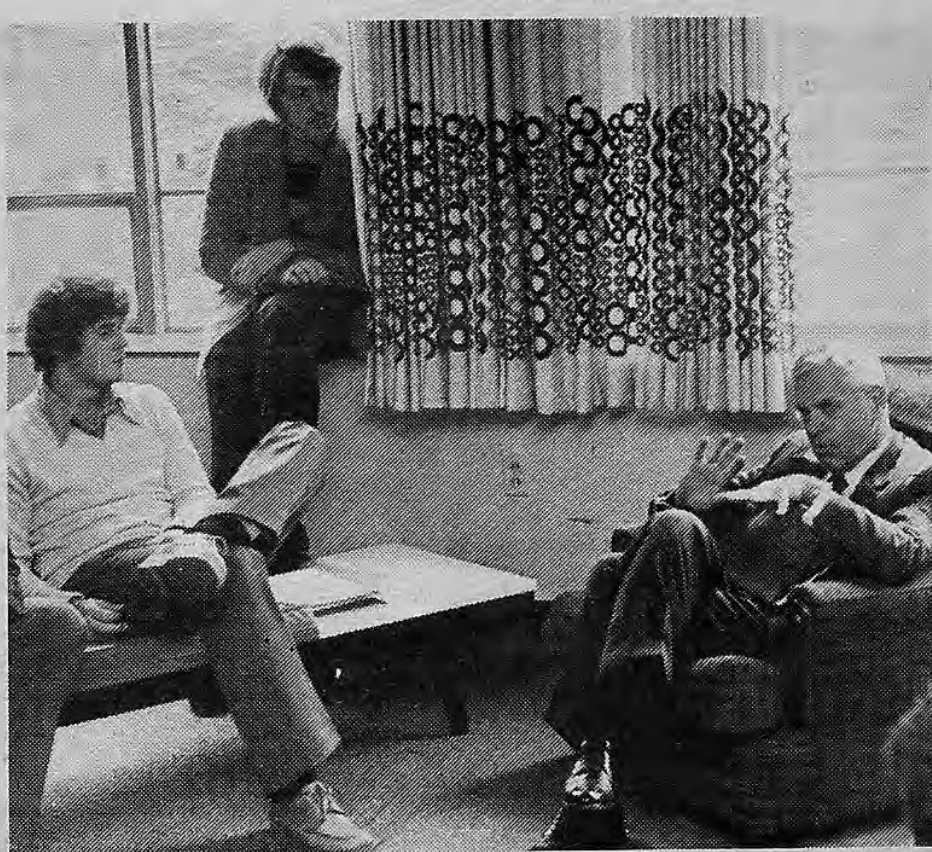
ing," said McCombs. "Now I only make prints."

These he does directly on the plate, without preliminary sketches.

Asked if that doesn't mean he has to be pretty sure of what he intends to come up with, he smiles and says:

"You might say that."

Whatever he comes up with seems to suit his audiences.



Business Students Learn Close-up From Steel Company Executive

Reprinted from Republic Reports, Number 4, 1977. Used with permission

They were bright, articulate and extremely interested in what a steel company president had to say about the story behind the recent headlines. They wanted to know more about steel plants being permanently shut down forcing thousands out of work; the charges of foreign imports flooding the market, and the red ink appearing on the books of several steelmaking firms.

From the moment he walked under the gateway arch and across the Hope College campus on a morning in mid-September, Bill DeLancey was immersed in a dialogue about steel and business, talking with students and faculty; answering their questions until late in the day.

The one-day program formally began when almost 250 students from economics and business classes poured into Wichers Auditorium.

Those attending were curious about hearing a steel executive explain the current state of the industry, what role environmental concerns play in the business, and how government regulations in general affect the daily job of making steel.

But, they also wanted to know what talents and capabilities were necessary to pursue a business career, the studies and courses that would best prepare them for their future roles and even the personal aspects of business life, such as how much time is spent working on the job and off, and what sacrifices that might impose on personal and family activities.

During the morning session, Mr. DeLancey summarized his thoughts on business management, when he said, "The business executive can achieve results only through other people. This is the essence of management which is perhaps one of the most demanding and challenging of all forms of human endeavor. To achieve success the executive must lead, inspire, instruct and encourage those who work for him."

"Furthermore, he must know enough about the many varied fields in which these people work in order to be able to set sound goals and to evaluate progress. Most importantly, he must be able to develop others with talents and motivation to extend themselves to reach those goals."

In talking about the personal satisfactions that one gains from a career in business, he said, "It is really something that one senses or feels, an intangible that would perhaps be better described by a poet or possibly a psychologist rather than a businessman. It generates a feeling of worthwhileness of mission—of being part of something real and basic."

"Those of you who have been in a steel plant can understand well what I mean as you look at the dramatically impressive cycle of a

BOF melt shop. And, you don't have to be on the melt shop floor or in a research center to feel a part of this. You can be an accountant or lawyer or in sales or public relations.

"The point is that you are on the team of an enterprise which is producing something which the nation needs—something of value."

In closing the morning session, he encouraged students considering a business career.

"Business needs articulate, able and energetic individuals who can see the value of preserving and improving upon the economic system which has brought us all to where we are at this point in time," he said. "I hope that many of you will choose a business career and perform this important function. Those who have become part of the business community generally gain a heightened appreciation for the need to strengthen and, indeed, liberate this great creative force."

At a luncheon in Durfee Dining Hall, Mr. DeLancey spoke to students, faculty members and some administrators about the interaction between business and government and the need for intellectual honesty and independence of thought in determining what course is best for the country.

In the afternoon seminar, he thoroughly reviewed those major areas where steel is struggling with substantive problems, namely environmental controls, pricing and imports. About half this session with business faculty and honor students was spent in questions and answers, some of which are included at the end of this article.

Interestingly, the students in reacting to Mr. DeLancey's crash course in steel economics often used the word "credible," an expression rarely heard on a college campus in the past decade or so.

"It was extremely interesting to hear Mr. DeLancey. I understand better the problems of the steel industry," said Rich George, a business major from Chicago. "Although I don't necessarily agree with tariffs, as such, I see the need for the steel industry to get 'a fair shake' from the government. There is definitely a need for public education in regard to this important industry."

Other students commented that discussions with Mr. DeLancey were motivating and many were surprised at the hours a business executive works in addition to the normal week of 40. A few students thought the industry position was inconsistent in wanting both fewer government restrictions and some federal action on the imports.

But, overall the day provided many business students a close-up encounter with a business leader and a chance to learn about one of the nation's most basic industries.

And, for Republic's Bill DeLancey, it was a day to enjoy the role of professor informing students about the business life he lives every day of the year.

Alumni Fund Nears Goal

Contributions to the 1977-78 Alumni Annual Fund have reached 90% of the \$315,000 goal, but the number of donors to the campaign is behind projections, according to national chairman Elsie Parsons Lamb '46.

Gifts totaling \$281,842 had been received from 3,602 alumni through Feb. 28. This compares to \$189,621 from 3,404 alumni for the same period a year ago.

The \$315,000 target is the most ambitious alumni fund goal in Hope College history. Gifts to date already surpass last year's all-time record total of \$245,789.

The Alumni Association board of directors also established a goal of 4,800 donors, an increase of nearly 400 from last year.

"We have reached 75 percent of our donor goal and based on past experience there is a possibility we will come up short," said John Nordstrom, director of annual funds.

Nordstrom noted that approximately 1,700 alumni who made an annual fund contribution last year are not on board yet for the current campaign. He also said that there are over 900 alumni whose contribution to this year's campaign is their first ever.

Nordstrom reminded alumni that the 77-78 campaign ends June 30. He said that Class Representatives will be writing classmates in late April who have not as yet made a contribution.

ALUMNI FUND PROGRESS THRU FEBRUARY

Class	Representative	Roll	This Year		Last Year	
			Donors	Dollars	Donors	Dollars
Preps	Clarence Jalving	69	14	\$2,678	20	\$ 762
1901-10	August Veenker	13	4	1,710	6	418
1911-16	Henry and Sara Beltman	43	21	3,180	30	2,357
1917-18	Amelia Van Wyk	43	23	4,165	28	2,039
1919	Clarence Heemstra	26	15	1,122	22	1,950
1920	George Vanderborgh	28	15	985	17	1,250
1921	Deane Klaaren	33	21	5,830	25	2,107
1922	Winfield Burggraaff	31	19	1,365	20	852
1923	Isaac Scherpenisse	42	23	2,555	30	2,325
1924	Simon Heemstra	43	23	992	32	5,605
1925	Marian Steggerda	79	38	3,052	52	3,205
1926	Marion Pennings	67	38	6,445	54	6,572
1927	Vernon D. Ten Cate	75	40	4,192	57	4,894
1928	Frank H. Moser	84	40	8,838	51	4,889
1929	Dirk Mouw	93	42	5,170	61	6,154
1930	Jac Tigelaar	100	45	4,125	56	3,882
1931	Marian Stryker	102	45	4,996	58	5,123
1932	Howard C. Schade	77	31	4,865	36	1,861
1933	Nella Mulder	78	37	3,794	40	2,383
1934	Marie Walvoord	98	44	5,102	53	3,741
1935	M. Carlyle Neckers	92	35	2,000	42	1,925
1936	C. J. and Emma Yntema	95	36	3,485	44	3,198
1937	Allen B. Cook	104	41	2,956	42	3,291
1938	Kenneth H. Hesselink	119	41	4,706	56	4,182
1939	Orville C. Beattie	101	44	8,484	55	9,749
1940	Henry A. Mouw	120	42	4,673	60	4,025
1941	Chester J. Toren	111	36	2,832	46	3,225
1942	Edwin Luidens	138	43	2,026	41	2,335
1943	Judson Van Wyk	110	33	2,327	48	1,877
1944	Fritzi Sennett	105	32	1,965	48	2,727
1945	Mary Van Dis	114	39	3,035	39	3,535
1946	Max D. Boersma	125	50	5,057	55	3,810
1947	Elaine DePree	129	46	2,535	63	3,119
1948	James P. Yuk	159	55	6,098	61	4,460
1949	Ernest J. Meeusen	259	84	7,083	108	5,936
1950	Phyllis Booi	380	139	8,712	172	7,406
1951	John P. Van Eenenaam	262	78	6,315	99	4,317
1952	Richard C. Caldwell	242	84	11,842	100	4,242
1953	Guy A. Vanderlagt	222	80	6,421	110	4,747
1954	Helen Van Loo	201	76	5,812	80	4,069
1955	Linda Hoffman	183	51	2,417	67	2,315
1956	Janet Veldman	207	68	4,452	91	3,592
1957	Richard H. Gould	233	64	3,962	97	3,676
1958	Kenneth W. Faber	221	65	5,357	96	4,412
1959	Susan Van Kuiken	265	79	5,912	100	5,225
1960	Warren and Joy Vanderhill	296	82	5,029	106	3,915
1961	Wallace and Adina Van Buren	286	85	5,847	92	4,602
1962	Thomas Plewes	286	84	6,968	106	5,124
1963	Robert O. Klebe	385	120	6,661	144	4,759
1964	Larry and Gretchen Lemmenes	446	124	6,684	147	5,298
1965	Marion Hoekstra	366	101	7,546	138	6,815
1966	Alverna DeVisser	359	89	3,945	131	3,639
1967	Mark and Donna Droppers	398	87	3,315	120	3,405
1968	David and Mary Jane Duitsman	403	77	3,005	116	2,557
1969	Mary VandenBerg and Barbara Timmer	390	93	3,665	117	3,071
1970	Susan Schechter	361	89	3,840	114	2,620
1971	Gerald and Laura Bosscher	352	84	2,962	109	2,482
1972	Jos Gentel	414	68	3,353	116	3,991
1973	Timothy Brown	427	71	2,605	85	2,490
1974	Cathy Koop	381	47	1,273	65	1,407
1975	Deborah Maxwell	404	64	2,292	74	1,009
1976	James Donkersloot	438	60	1,329	65	824
1977	David Teater	391	39	1,820	0	00

10's

Bernard J. Mulder, '19 continues to serve as minister of calling and Bible teacher at First Reformed Church of Hamilton, Mich.

20's

Regina Born, '28 is serving her second term as elder for St. Thomas Reformed Church in the Virgin Islands. She served the church for many years as treasurer.

Helen Zander, '28 has retired in Schenectady, N.Y.

30's

J. Coert Rylaarsdam, '31 was recently honored with the presentation of a festschrift, *Scripture in History and Theology*. He is professor emeritus at the University of Chicago and currently holds the active appointment of professor in the theology department of Marquette University, a ranking Jesuit school in Milwaukee.

John '32 and Jose DeHaan '31 Wyma have both had major health problems this year but are on the road to recovery. Jose served on the committee for her Zeeland (Mich.) High School reunion and wrote a poem for the occasion.

Gertrude Van Zee, '34, senior cataloger at Western Michigan University Library, received a 1977 faculty merit award, primarily for her work as chairperson of a committee which wrote new filing rules for use in the card catalogs in the libraries at the University.

Wilhelm K. Haysom, '36 retired in January.

The Rev. Reuben Ten Haken, '37 retired in January from the directorship of social and religious services in Sheboygan County (Wis.) Comprehensive Health Center and Hospital. He was asked to pastor new work in Florida by the Chicago Synod of the Reformed Church in America, and in September began as stated supply pastor of New Hudson Reformed Church.

Sarah Lacey, '37 Nicholas retired last fall after 20 years of teaching piano, organ and music theory at Free Will Baptist College, Nashville, Tenn.

The Rev. Kenneth Hesselink, '38 has accepted a call to Church of the Savior in Niles, Mich.

Eunice H. Sluyter, '38 is writing individualized instruction lessons for a West Coast publisher. She resides in Ft. Lauderdale, Fla.

40's

The Rev. William H. Coons, '41 accepted a call to Cranesville Reformed Church of Amsterdam, N.Y.

Dale Brondyke, '42 has been appointed controller and assistant administrator of Lee Memorial Hospital in Dowagiac, Mich.

Dr. Blaise Levai, '42 is pastor of Reformed Church of Westwood, N.J.

Calvin T. DeVries, '43 is minister of First Presbyterian Church, Cedar Rapids, Iowa.

Dr. Allan J. Weenink, '43, senior minister of First Presbyterian Church of Battle Creek, has been named to a panel of guest editors for the *Enquirer and News* of Battle Creek, Mich. He has been pastor of the city's First Presbyterian Church since 1958.

He made his fourth visit to the Philippines during January and February as a convocation speaker and consultant to church-related schools. His visit was under the auspices of the United Church of Christ in the Philippines. On return he will conduct stewardship and mission seminars in Singapore.

Ray '44 and Mae Vander Linden '45 Biel live in Paramount, Calif. Ray is a dentist in Bellflower. They have two daughters.

Mille Vander Linden '45 De Bie has taught school for the past 25 years in Paramount, Calif. She and her husband Rich have two sons.

Dr. E. W. Woodworth, '45 is chief of surgery at Kenmore (N.Y.) Mercy Hospital.

Clarice Peterson '46 Hasbrough is librarian for the Issaquah, Wash. school district. She and her husband Bob are enthusiastic sailors.

Janet Huizenga, '46 supervises the social service department of Ramsey County (Minn.) Welfare Department. She helps provide services to mentally retarded adults and their families.

Louise Edwards '46 Lowande is a school secretary in Franklin Park, N.J.

Betty Fuller '46 Meiners is a librarian at Las Cruces (N.M.) High School.

Marian Mastenbrook '46 Smith is a new grandmother. She resides in Baileyville, Ill. She and her husband John have two sons and a daughter.

Adeline Sybesma, '46 has taken a position with Trans World Radio in Bonaire, East Netherlands, Antilles. She will work primarily as a teacher.

Lucille Tenninga '46 Toren teaches science and health at Sandridge Public School in Lynwood, Ill.

The Rev. Dick '46 and Nell Ritsema '46 Vriesman reside in Holland, Mich. They have a son Brian who recently graduated from Hope and a daughter, and have been foster parents of several young people who have needed special love and attention.

Marjorie Van Vranken '46 Watelet lives in Kinshasa, Zaire. Her husband is a Belgian doctor working at rehabilitating people afflicted with leprosy. Marge taught at Vellore Medical School for many years.

Randal M. Dekker, '47 has been named president of First Michigan Bank and Trust, Zeeland, Mich. He was formerly the bank's executive vice president and trust officer.

Leroy Koranda '47 owns a T-shirt manufacturing enterprise and is the author of *Exceptional View of Life*, dedicated to his son Mark. He resides in Santa Ana, Calif.

Jack Barendse, '48 will retire this spring after 30 years in public education. He is principal of Peach Plains Elementary School, Grand Haven, Mich. Jack worked in the Grand Haven district for the past 22 years. He plans to become a manufacturer's agent and also travel.

Ronald G. Korver, '48 is beginning his 30th year as a missionary of the Reformed Church of America. He serves at Meiji Gakuin in Japan.

The Rev. William Hillegonds, '49, Hope College chaplain, is one of 11 guest preachers for services to be held this summer at the Temple in Ocean Park, Maine, as a feature of the 97th annual assembly program conducted under the auspices of the Assembly Committee of the Ocean Park Association. **Jack Tirrell**, '49 is vice president for governmental affairs for the American Association of Community and Junior Colleges.

The Rev. P. James Van Dyke, '49 is head of staff at Ganado (Ariz.) Presbyterian Church. He also serves as chaplain to the College of Ganado and at Sage Memorial Hospital. Ganado is primarily comprised of Navajo Indians.

50's

Paul Boerigter, '50 has been named vice president for manufacturing at AFCO Industries, a wall paneling manufacturer. He is responsible for plants in Michigan, California and Louisiana.

Harlen C. Bouman, '50 is self-employed, after retiring from Sun Oil Co. He resides in Holland, Mich.

The Rev. Dr. Elton J. Bruins, '50, professor of religion at Hope and archivist of the Netherlands Museum in Holland, gave the opening address at the Dutch-American Historical workshop held recently at Calvin College.

Andrew Menasin, '50 is an analytical manager for A. Gross & Co., Newark, N.J.

Walter Wesley Smith, '50 recently took a course in oceanography at Pace College.

Marian Wilterdink, '50 has returned to Salisbury, Rhodesia after seven months in the States.

Doris Adams '52 DeYoung has accepted a three-year term on the board of directors of Green Valley Enterprises, a division of the Dodge County Sheltered Workshop. She also accepted membership recently on the Women's Committee of the Japan International Christian University Foundation.

James Harvey, '52 is the author of *Zero Base Budgeting in Colleges and Universities*, published by the Ireland Education Corp.

Annette Hezinger '52 Rothschild and her family are spending a year in Sao Paulo, Brazil, due to her husband Jerry's job. They will return to Orange, Conn. in August. Meanwhile they report that their tans and tennis are improving.

The Rev. Cornelius Van Heest, '52 is pastor of Hope Reformed Church of Sheboygan, Wis.

Forrest Van Oss, '53 is coordinator of the counseling center at Jefferson Community College in Louisville.

Cornelius Van Heest, '54 is pastor of Hope Reformed Church in Sheboygan, Wis.

Ken Vermeer, '54 has accepted a call to Morningside Reformed Church, Sioux City, Iowa.

Bob Visser, '54 retired as varsity basketball coach at Livonia (Mich.) Franklin High School after nine years of service in the post. He will continue as the school's golf coach.

Lucille Van Heest '55 Schroeder is employed at the Marriage and Family Center in Grand Rapids, Mich., and is in clinical training toward certification for marriage and family counseling.

Arie R. Brouwer, '56, general secretary for the Reformed Church in America, was elected vice president of Bread for the World, a Christian citizens' movement dealing with world hunger and public

policy.

Mary Jane Adams '56 Dykema has been elected to the Grand Haven (Mich.) board of education. **Donald Pangburn**, '56 has passed his bar exams to become a licensed attorney in New York State. He is currently minister of the New Utrecht Reformed Church, Brooklyn, N.Y.

Lyle Vander Werff, '56 is the author of *Christian Missions to Muslims*. Lyle, professor of religion at Northwestern College, began his study of Christian missions to Muslims when he served in the Arabian Mission of the Reformed Church of America at Kuwait from 1961-64. The book grew out of his doctoral work at the University of Edinburgh.

Diane Drake '57 Meeusen was coordinator and instigator of the third annual Winter Carnival in Gunderland, N.Y. This year's event was the biggest in history. All proceeds go to the PTA District Council's scholarship fund.

Robert I. Yin, '57 is a research chemist at Kelco, a division of Merck & Co., Inc., in Walnut Creek, Calif. He and his wife Claudine have two sons, ages 13 and 3.

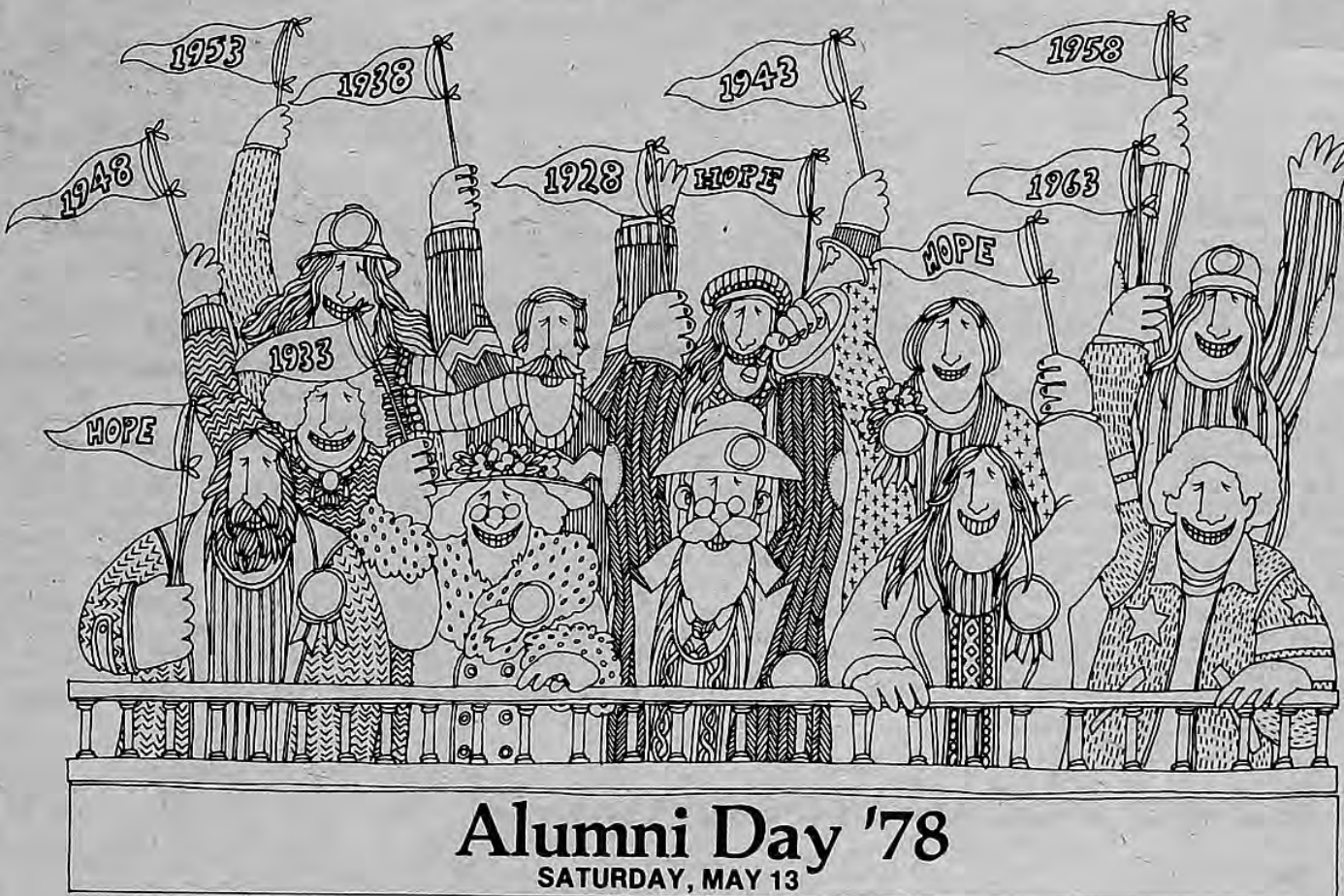
Roger Garvelink, '58 is superintendent of school in Sterling Forest, N.Y.

Richard Wyma, '58 a faculty member at Purdue University, will be on sabbatical leave during 1978-79. He and his wife reside in Cicero, Ind. and have three sons.

Don C. DeJongh, '59, Ph.D., has been named president of the Finnigan Institute, a division of Finnigan Corp., an instrument maker. The institute will offer a wide range of instructional training and research services to academic, industrial and government scientists. Don was formerly professor of chemistry at the University of Montreal.

Mary Vande Poel, '59 is a teacher for the Department of Defense. She resides in Holland, Mich.

George Worden, '59 is director of development for Interlochen (Mich.) Center for the Arts.



SCHEDULE OF EVENTS

9 a.m. Special Class Reunion Recreation Activities; Class of '58 Tennis Tournament — Columbia Avenue Courts

10 a.m. — Coffee & Registration —
1 p.m. DeWitt Center, East Terrace
Campus & Building Tours — DeWitt Center, East Terrace (Tour guides will lead groups every 30 minutes)

11 a.m. Women's League for Hope College Film Presentation; Mary Zweig '52 Visscher, President — Wichers Auditorium, Music Bldg.

1 p.m. — **CLASS REUNIONS AND**
3 p.m. **BUFFET LUNCHEONS**

3 p.m. — Fellowship Time with other
4 p.m. Classes — Refreshments & entertainment provided — DeWitt Terrace

4 p.m. **FIFTY YEAR CIRCLE**
RECEPTION & MEETING
Wichers Auditorium, Music Bldg.; Induction of the Class of 1928 into the Fifty Year Circle; Women's League for Hope College Film Presentation

6 p.m. **THE 1978 ANNUAL ALUMNI DINNER** Phelps Hall
The announcement and recognition of the Distinguished Alumni Awards for 1978; Presiding: Elsie Parsons '46 Lamb, President of Alumni Association

8:30 p.m. Adjournment

The Hope-Geneva Bookstore located in the DeWitt Center will be open for the convenience of Alumni and Friends from 11 a.m. to 1 p.m.

REUNIONS

1928 The 50th Golden Anniversary Class; Dr. Frank H. Moser, Class Chairman; Esther J. DeWeerd, Reunion Chairman

1933 Nella DeHaan Mulder, Reunion Chairman

1938 William Arendshorst, Jr., Reunion Chairman

1943 Barb Folsensbee Timmer, Reunion Chairman

1948 Marjorie Lucking French, Reunion Chairman

1953 The 25th Silver Anniversary Class; The Hon. Guy Vander Jagt, Class Chairman; Nella Pyle Burton, Reunion Chairman

1958 Kenneth Faber, Class Chairman; Julie Smith Carey, Reunion Chairman

1963 Donald A. Mitchell, Reunion Chairman

(The classes of 1968 and 1973 will hold their reunions on Homecoming Weekend next October.)

Carl '60 and Mary Zeisenitz '63 DeJong are serving Hope Reformed Church in Los Angeles. **Bob '57 and Ginny Akker '60 Williams** reside in Glendale, Calif. Bob is manager of the purchasing department for Franciscan Dinnerware and Tile Co. Ginny teaches part-time in a local school. **Dr. Ralph R. Cook '61** has been named director of epidemiology for Dow Chemical Co., Midland, Mich. **Edward E. Ericson, Jr. '61, Ph.D.,** gave a lecture on Solzhenitsyn at the East Grand Rapids Library in March. He has published several articles and is currently working on a book on the Russian author. He is professor of English at Calvin College. **Richard Jaarsma '61** is associate professor at William Paterson College, Wayne, N.J. **Howard Hughes '61** had a show of his photography recently in a Chicago gallery. **The Rev. James Rozeboom '61** is minister of Christian Education at Fairview Reformed Church, Grand Rapids, Mich. **Charles A. Smits '61** was selected Outstanding Senior Communications-Electronics-Meteorological Maintenance Manager of the Year for the U.S. Air Force Security Service. He is an electronics systems officer with the 6920th Air Base Group at Misawa AB, Japan.

Norman Dykstra '62 is director of registrations and marketing services for Warner-Lambert International. **Dr. Michael L. Magan '62** was named diplomate of the American College of Obstetrics and Gynecology. **Roberta Russell '62 Ponis** is project director for a Title IV grant in an Awada, Colo. elementary school media center. **Bruce Van Leuwen '62** is manager of International Urethanes, International Departments, Chemicals Group, Olin Corp. He is responsible for off-shore ventures in Japan, Venezuela and Brazil. **David Wyma '62** and his family will move to Taiwan this summer as missionaries for the Reformed Church in America. His work will include student evangelism leadership on campuses, particularly the University of Taipei. He will also be conducting seminars in colleges on the island of Taiwan, assisting people in churches and schools in skill development, and supervising student interns in Taiwan. **Heidi Heideman '63 Bryne** is teaching new nurse's aides and in-service programs at Barry County Medical Facility in Hastings, Mich. **The Rev. John A. Jenner '63** has accepted a call to the Clymer Hill Reformed Church of Clymer, N.Y. **Mary Dykstra '63 Havlicek** is a teacher in Rome, Ga. **The Rev. Donald Vuurens '63** is ministering in the Allegan, Barry and Kent County area of Michigan.

Hilda Hadawi '63 Whipple teaches French at the high school level in Eugene, Ore. She is active in several professional societies, as a member of the Oregon Foreign Language Council, the Committee on Basic Standards of Achievement (a joint project of the Oregon Foreign Language Teachers and the State Department of Education), the Oregon Association of Foreign Language Teachers, the Eugene Education Association Representative Council, and the board of the Oregon Chapter of American Association of Teachers of French. Hilda was also elected chairperson of the 1978 National French Contest for the State of Oregon. **Leaane Ridderhoff '64 Crabbe** is a reading specialist for high schools in Palos, Tinley Park and Orland Park, Ill. **Paul Teusink '64** is director of a new emergency admission unit of C.F. Menninger Hospital in Topeka, Kan. He was involved in the total development of the unit. **Alan G. Robertson '64** is chief resident of psychiatry at Mass General Hospital in Boston. **William Van Hoeven '64** is a product manager for E. I. DuPont De Nemours & Co. in Wynnewood, Pa. **George '63 and Arlene Arends '64 Walters** are living in Lake Nebagamon, Wis. George is teaching at the University of Wisconsin. **Julia Alexander '65** is a follow-up teacher for an Ottawa County (Mich.) parent-child development program. **John Kloosterboer '65** is school psychologist for Sheboygan County School for Special Education, Sheboygan Falls, Wis. **Cal Poppink '65** is acting superintendent of Lenawee Intermediate Schools in Adrian, Mich. **Dr. Norman TenBrink '65** was elected elder at Rosewood Reformed Church, Hudsonville, Mich. **Bart Bylsma '66** is treasurer and a member of the board of directors of Alofs Manufacturing Co. He is

also vice chairman of the board of managers of South YMCA in Grand Rapids, Mich. **Arnold Fege '66** is an educator and administrator for Muskegon (Mich.) Intermediate School District. **Norman Madsen '66** is pastor of First Methodist Church of Haddonfield, N.J. **Mary Hakken '66 Mulder** is assistant professor of English at Camden County College, a junior college in Blackwood, N.J. **Gerald Auten '67** is assistant professor of economics at Bowling Green State University in Ohio. **Bob Bosman '67** is legal advisor for the Department of Aging of the State of New York. He graduated from Albany Law School in 1973. **Ronald Bowman '67** is owner of a ladies' apparel store in St. Joseph, Mich. **John D. Cox '67** has accepted an Andrew W. Mellon Faculty Fellowship at Harvard University for 1978-79. He is assistant professor of English at University of Victoria. **David DeFouw '67, Ph.D.,** works at a medical center in Piscataway, N.J. **Kathryn Headley '67** coached the Jenison (Mich.) High School varsity girls' basketball team to their fourth consecutive O-K Red League Trophy. In five years of coaching, Kathryn has an 88-15 record. **Gary C. Holvick '67** has been appointed general agent in the Flint, Mich. area for Northwestern Mutual Life Insurance Co. **James F. Moored '67** is director of student employment at Grand Valley State Colleges. **John Mulder '67** is assistant professor of American church history at Princeton Theological Seminary. John is also assistant editor of *Theology Today*, a quarterly journal published in Princeton, and co-editor of *Religion in America: Interpretive Essays*, published in 1978 by Prentice Hall. He also has a book forthcoming from Princeton University Press titled *Woodrow Wilson: The Years of Preparation*. **The Rev. Wayne Van Kampen '67** is director of pastoral care and education at Bethesda Hospital and Community Mental Health Center, Denver, Col.

Caryl A. Yzenbaard '67 is assistant professor at Chase College of Law, Northern Kentucky University. Both Caryl and her husband Timothy E. Holberg are active in Knox Presbyterian Church. Caryl is president of the church's trustees and a member of the pulpit nominating committee. **Marilyn Johnson '68 Couture** is a medical technologist in Santa Clara, Calif. **Candace Classen '68 Kuhta** is attending the University of Wales School of Librarianship. **Neil Sobania '68** is in Kenya as a consultant to a United Nations Environmental Protection Agency desert study. He is doing a regional history of all the peoples east of Lake Turkana in Kenya. **Mary Ellen Atkinson '68 Aardsma** works in the news and information division of Gannett Co., Inc. **Allen H. Aardsma '69** is supply and processing distribution supervisor at Park Ridge Hospital in Rochester, N.Y. **Richard Bruggers '69** and his wife, the former **Jackie Spaeth '70**, have been living in Senegal, West Africa for the past 3½ years. Richard is employed by the United Nations in wildlife management. **Kent Candelora '69, Ph.D.,** is associated with the Center for Living, a psychiatric medical group in South Pasadena, Calif. He is also a staff member at Glendale Adventist Medical Center and Ingleside Mental Health Center, both in the Los Angeles area. **Jack DeZwaan '69** is employed by Tennessee Eastman and resides in Kingsport. **Enid Diamante '69** is a teacher in Philadelphia. **The Rev. Harvey '69 Folkert** is starting a new church in Canton, Mich. as part of the Reformed Church in America Growth Fund. He and his wife, the former **Elaine Heneveld '68**, invite alumni in the Canton area to contact them. **David Muyskens '69** is a building contractor in Grandville, Mich. **Dr. Timothy Tam Hutagalung '69** finished training in pediatric dentistry at the Children's Hospital of Philadelphia and will open practice in Vancouver, B.C. **Donald Luidens '69** is a member of the Hope College faculty in the department of sociology. **Peggy McNamara '69 Luidens** is a dissemination consultant with the Kent County (Mich.) intermediate school district.

Carol Koterski '70 Dugan is a social worker in Kalamazoo, Mich. **Linda Glendering '70, Ph.D.,** is a research assistant for the National Institute of Education, Washington, D.C. **Sandra Pickut '70** is a lawyer in Akron, Ohio. **Captain Paul H. Prins '70** arrived for duty in February at Lakenheath RAF Station, England. He is an aircraft commander. **Christine Meyers '70 Siangehin** is an occupational therapist at Greystone State Hospital, Morris Plains, N.J. **Chuck '70 and Jean Taylor '70 Van Engen** are studying this year in the Netherlands. **Roger J. Bolhouse '71** has been transferred to the latent identification unit of the Michigan State Police Crime Lab in East Lansing. **The Rev. Philip Grawburg '71** has accepted a call to Hope Community Church, Orlando, Fla. **Marcia DeYoung '71 Price** is an insurance adjuster for Progressive Casualty Insurance in Portland, Ore. **Edith Rens '71** is teaching music in Sydney, Australia. **Barbara Jean Staats '71** is an assistant administrator at Carnegie Mellon Institute, Pittsburgh, Pa. **Sharon L. Tucker '71** anticipates receiving a private pilot's license this spring. She continues as a journalist with the Sarasota (Fla.) **Herald Tribune**. **Hendrika Vande Kemp '71** is chairing the program committee for the 1978 convention of Western Association of Christians for Psychological Studies. In October she presented a paper to the annual convention of the Society for the Scientific Study of Religion. Hendrika is assistant professor of psychology and family therapy at Fuller Graduate School of Psychology. **G. Clarke Borgeson '72** is a formulation chemist at Chem-Trend, Howell, Mich. **Nancy Rayner Borgeson '72** is an accountant for MDSI, a computer software firm in Ann Arbor, Mich. **Beth Burggraaf '72** is a systems analyst for Meijer, Inc. **Antoinette Sikkell '50** is a director of medical records at West Suburban Hospital, Oak Park, Ill. She held the same title for eight years at Loyola University Hospital, Maywood, Ill. **Scott Graham '72** is a dentist in Mt. Clemens, Mich. **The Rev. James W. Moore '72** is pastor of the Callicoon, N.Y. United Methodist Parish. Jim gave a vocal recital last fall under the auspices of the Delaware Valley Arts Alliance. He was accompanied on the piano by his wife **Holly Nelmes '72 Moore**. **Linda Hutchings '72 Roberts** is a part-time teacher for Southkent (Mich.) adult high school completion program. **Mark Roberts '72** has been named budget analyst for the City of Grand Rapids, Mich. Department of Systems and Fiscal Management. **Mary Heckman Shockley '72** is finishing her freshman year at Bronson Methodist Hospital School of Nursing, Kalamazoo, Mich. **The Rev. Paul Smith '72** is assistant pastor at Lakeland Reformed Church, Vicksburg, Mich. He was previously a chaplain's assistant at Central College, Pella, Iowa, worked in a Reformed Church summer project in Taiwan, and served a Reformed Church in Martin, Mich. **Mary Tripp '72** is teaching children of U.S. Army personnel in Germany. **Cathleen Work '73 Draper** is a 5th grade teacher at Prospect School, Oberlin, Ohio. **Dave Helmus '73** is a teacher and administrator at Ramse College in Cairo, Egypt. **Ward Peterson '73** is a chemical engineer in Glen Mills, Pa. **Claudia Tebben '73 Sterne** is teaching special education in a Chapel Hill, N.C. junior high school. **Charles G. Tharp '73, Ph.D.,** is a senior consultant on compensation and benefits at Connecticut General Life Insurance Co. in Bloomfield. **Cynthia Bates '73 Twining** is a teller at Lumberman's Bank & Trust, Muskegon, Mich. **Gwendolyn Sehoora '73** is a research technician at Wyler's Children's Hospital, University of Chicago. **Fred S. Bertsch III '74**, a U.S. Navy lieutenant (junior grade), completed the Navy's anti-submarine rocket weapons system aboard warships course at the Naval Training Center, Great Lakes, Ill. **Randy Braaksma '74** is bookstore manager at Aquinas College. **Gail Orndorff '74 Brown** is living in Effingham, Ill. Her husband Todd is employed by Combustion Engineering, Inc. **Donald P. Dame '74** is a scientific programmer for The Upjohn Co. of Kalamazoo, Mich. **Sue Drenthahn '74** is a teacher's aide at Ottawa Area Center in Allendale, Mich. **Robert Steven Evans '74** is teaching in Middleville, Mich. **Janet Koopman '74** is a budget/management analyst for the State of Ohio. She resides in Bexley. **Connie Moore '74 Lamando** is in her second year of teaching elementary school music in Middletown, N.Y. She and her husband Fred are youth counselors for St. Paul's United Methodist Church. Connie has directed several performances of a religious folk musical.

births

G. Clarke '72 and Nancy Rayner '72 Borgeson, Erika Beth, April 11, 1977, Ann Arbor, Mi. **David and Caroline Eshbach '69 Cornish**, John Summer, Jan. 24, 1978. **Kent '69 and Laurie Lovell '71 Candelora**, Taryn Angelica, Oct. 6, 1977, Santa Monica, Calif. **Ron '73 and Mary Schmidt '72 Deenik**, Joel Ronald, Jan. 11, 1978. **Lee '65 and Linda Gerard**, Kristin Anne, Sept. 7, 1977, Grawn, Mich. **Harvey '69 and Elaine '68 Folkert Heneveld**, Elisabeth Anne, July 8, 1976, Canton, Mich. **Tim and Caryl Yzenbaard '67 Holberg**, Emily Ruth, Aug. 19, 1977, Covington, Ky. **William Allen and Ellen Whitaker '65 Kirk**, Andrew John, Aug. 12, 1977, Albany, N.Y. **James '72 and Holly Helmus '72 Moore**, Rebecca Christine, Dec. 20, 1976, Calicoon, N.Y. **Dave '76 and Mara Reitsma '76 Mulder**, Jessica Anne, Jan. 27, 1978, Pantego, N.C. **James '67 and Joan Nells '67 Moored**, Karri Jo, May, 1977, Jenison, Mich. **Barry and Marybeth Senior '74 Nichols**, Hilary Joyce, Jan. 17, 1978, Hackettstown, N.J. **Jon '65 and Gloria Langstraat '67 Norton**, Daniel George, Feb. 9, 1978, Fort Lee, N.J. **Dennis '74 and Pamela Rawlinson '73 Robins**, Erin Elizabeth, Oct. 4, 1977, Milwaukee, Wis. **Tom '67 and Carole DeYoung '67 Renner**, Daniel Lee, Feb. 27, 1978, South Haven, Mich. **Steven and Sue Stoeckly '64 Stitt**, Jessica Jean, Nov. 23, 1977, Hartford, Conn. **Dr. & Mrs. Norman TenBrink '65**, Ryan Lloyd, July 3, 1977, Hudsonville, Mich. **Don '74 and Lynn Hambleton '75 Wickstra**, Matthew David, Dec. 22, 1977, Holland, Mich.

news about Hopeites

Please use the space below for news that you'd like to communicate to your fellow Hopeites. Tell us about appointments and promotions, experiences that have been meaningful to you, honors that have come your way, travels, hobbies, or ideas that you think are worth sharing with others. This form should also be used to inform us of marriages, births, and advanced degrees. If you have recently been featured in a local newspaper or other publication, please attach clippings.

Name _____ Class year _____
(Women should include maiden names)
Street _____
City _____ State _____ Zip Code _____
☐ Check here if this is a new address
news notes

Frater Alumni Luncheon and Golf

The Frater Alumni Association is sponsoring a luncheon and golf outing for alumni Fraters and active members on the Friday before Commencement, May 12, 1978. The luncheon will be held at the Holland Country Club. The social hour begins at 12 noon, the lunch at 1 PM, and golf at 2:30. The cost of the luncheon will be approximately \$5. Please send your reservations to:

Dr. Russell Paalman
720 Towers Medical Bldg.
Grand Rapids, MI 49503

Deadline: May 1, 1978

Send to: Alumni Office, Hope College, Holland, Michigan 49423

Joan Lautenschleger '74 was awarded First-Year Honors at Harvard Business School. She is in the final year of Harvard's master in business administration program.

Janet Boyer '74 Mignano is an assistant manager for K-Mart Corp. in Sterling Hts., Mich.

Terry '74 and Phyllis Kallemya '74 Muilenberg have moved to Mt. Pleasant, Mich. Terry has been appointed internal auditor of Central Michigan University. Phyllis is working at Family Federal Savings and Loan. Both are working on their master's degrees in business administration at Central Michigan.

David Naberhuis '74, CPA, is employed with William P. DeLong & Co., Holland, Mich.

Linda Peterson '74 is a music teacher at Wayland Union Schools in Grand Rapids, Mich.

Daniel Reeverts '74 is a graduate student in theater design at the University of California.

Nancy Struck '74 is communications director for the greater Kalamazoo (Mich.) United Way. Nancy oversees all public relations functions and promotions for the organization.

Mary Meade '74 Sutton is secretary to Republican economists, under the auspices of the Joint Economic Committee of the U.S. Congress.

Ann Chiang '74 Tharp is an underwriter for Connecticut General Life Insurance Co., Bloomfield, Conn. She received the M.A. degree from the University of Michigan School of Library Science in Dec., 1976.

Laura Tebben '74 Vanderbroek teaches at Grand Valley State Colleges.

The Rev. Robert Van Voorst '74 is pastor of Rochester Reformed Church, Accord, N.Y.

Lois Veenhoven '74 is assistant professor of music at Western Michigan University.

Enid Wakeman '74 is a student at the University of Hawaii.

Edward Young '74 is a third year dental student at Northwestern University in Chicago.

Christopher P. Atwood '76 will complete Advanced Emergency Medical Technician (Paramedic) Training through Grand Valley State Colleges in April. He is also pursuing a master's program in sports medicine from Western Michigan University.

marriages

Bob '67 and Patricia Campbell, May 30, 1977, Long Island, N.Y.

Terry Steven and Carol Koterski '70, Oct. 22, 1977, Ann Arbor, Mich.

Kenneth Kooistra '75 and Joy Vogel, July 9, 1977, Richard Kim Martinus '76 and Suzanne Marie Thornton, Feb., 1978, Muskegon, Mich.

Gary Nieuwsma '76 and Cheryl Day, Jan. 21, 1978, Zeeland, Mich.

Thomas Schaes and Gretchen Joan Geldmaker '76, Winter, 1977, Bradenton, Fla.

Arthur Sedat and Kristi Droppers '76, Dec. 30, 1977, Franklin Lakes, N.J.

Daniel Sterne and Claudie Tebben '73, Dec. 18, 1977, Ridgewood, N.J.

William Van Dis and Susan Anderson '72, Winter, 1977, Kalamazoo, Mich.

Dallas White and Claire Moneno '76, Oct. 8, 1977, Corpus Christi, Texas.

David Cluley '75 is a research chemist in the Home Care Research and Development Department of Amway Corp., Ada, Mich.

Lee W. Curie '75 has been assigned to Universal Forest Products central region as account executive.

Miriam Ernest '75 is a producer for WSUI-KSUI, broadcasting service of the University of Iowa.

Susan Hermance '75 Fedak is an assistant teacher at Pompton Valley Preschool Center, Pompton Lakes, N.J. She is also studying voice with Marilyn Sofia in New York City and continues to direct the children's choir and handbell choir at Pompton Reformed Church, where her husband Alfred '75 is minister of music.

Jeanette Gaige '75 is an assistant social worker in a nursing home in Schenectady, N.Y.

Nancy Herink '75 is a welder at Excello Corp., Holland, Mich.

Nancy Holton '75 is a teacher in Las Vegas, Nev.

Karen Johnson '75 is a teacher of English as a second language at Clarkson College of Technology.

Kenneth Kooistra '75 is a data center analyst for Burroughs Corp. in Detroit. He holds an M.S. degree in computer science from Bowling Green State University.

Kathryn Mia '75 Korver is associate missionary of United Church of Christ in Japan. She is in charge of the English teaching program at the English Academy in Aizu-Wakamatsu.

Kimberly Karsten '75 is a computer programmer. She resides in Wyoming, Mich.

Linda Hawkins '75 Murray is a travel counselor in the tri-cities area of southeastern Washington state. Her husband Norm is quality assurance and tests manager of the medical division of Holosonics, Inc.

Heidi Schuur '75 is finishing her freshman year at Bronson Methodist School of Nursing, Kalamazoo, Mich.

Michael Toscano '75 is director of financial aid at Davenport College of Business in Grand Rapids, Mich.

David Vanderheide '75 is an abstractor for Ottawa County Abstract and Title Co., Holland, Mich.

Brian L. Vriesman '75 is a student intern at Peace Reformed Church, Eagan, Minn.

Barbara Smith '76 Bussema is teaching 2nd grade in Galesburg-Augusta (Mich.) schools.

Elizabeth M. Collins '76 is completing a master's degree program in social work at the University of Connecticut.

Margaret M. Day '76 is order administrator for American Seating Co., Grand Rapids, Mich.

Patricia Russell Dignum '76 is a social worker for the Michigan Department of Social Services. She resides in Spring Lake.

Forrest Evans '76 is teaching junior high school band in Napoleon, Mich.

Jan Evans '76 is teaching junior high school band in Albion, Mich.

David C. Gerber '76 is a student at New Brunswick Theological Seminary.

Mark Halvorsen '76 is attending Fuller Seminary in connection with Young Life organization.

Suzanne M. Hoyt '76 is an English teacher at Baiko Jo Gaukin in Shiminoseki, Japan.

Ralph V. Lohr '76 is a teacher at Salem Christian School in Chicago.

Charles McOsker '76 is a graduate student at Cornell University.

Timothy Northrop '77 is a teacher in the adult basic education program in Lake Odessa, Mich.

Thomas '76 and Nancy Bennett '76 Page live in Holland, Mich. Tom is teaching in the West Ottawa High School adult basic education program, and Nancy teaches 6th grade at Sandy Hill Elementary School in Jenison.

Judy Kammeraad '76 Pruim is a graduate student in physics at the University of Wisconsin.

Stuart Scholl '76 teaches biology, life science and basic math at Del Norte High School, Crescent City, Calif. He also coaches wrestling and track.

Kristi Droppers '76 Seder is youth director of the Douglaston (N.Y.) Community Church. She is in her second semester of graduate study at Blanton Peale Graduate Institute for Counseling. Her husband Arthur is vice president of Aurora Electric Co., Inc. in Richmond Hill.

Deborah Sturtevant '76 Weiss has finished her second year of teaching in Jenison, Mich., schools.

Bill Weller '76 is a graduate student in English literature at the University of Iowa.

James Wildgen '76 is territory manager for Borroughs Corp. in Kalamazoo, Mich.

Lynne Kurzenberger '76 Wissink works in the nuclear physics lab at Stanford University. She hopes to begin graduate studies in literature next year.

Scott Wissink '76 is a graduate student in nuclear physics at Stanford University.

Kathryn Babinski '77 is employed by First National Bank, Holland, Mich.

deaths

Nina Ruth Fopma '40 Bratt died on Feb. 20, 1978 in Cincinnati, Ohio, of cancer.

Mrs. Bratt was the wife of the late Murvel J. Bratt, an engineer. The couple lived in the Cincinnati area for most of their lives. Mrs. Bratt was a staff nurse at the Jewish Hospital in Cincinnati.

Surviving are two sons, David and Douglas '70; a daughter, Barbara, two brothers, Robert J. '42 and O. Carl.

Remembrances may be sent to the Memorial Fund of College Hill Presbyterian Church, Cincinnati.

Marguerite Leenhouts '48 Hadden died on Feb. 21, 1978 in a Holland, Mich. convalescent home after an extended illness. Although she had rheumatoid arthritis for many years, she remained active in community and social services throughout her life.

Mrs. Hadden was born in Chicago and moved to Holland when her father established a medical practice there. She attended Michigan State University and the University of Michigan, in addition to Hope.

She and her husband, Mayo A. Hadden Sr., who had been a diabetic since World War I, both participated in a study of the effects of insulin about two years before it was marketed.

She was also one of the pioneers in establishing a Youth Center for young people in Holland.

Mrs. Hadden was a member of Hope Reformed Church, the Abraham Leenhouts Hospital Guild,

Alan Besselsen '77 is general office manager at LaMar Construction, Holland, Mich.

Peter Brink '77 is a computer operator for National Standard Co. in Niles, Mich.

Daniel M. Delia '77 has been accepted to Pennsylvania College of Optometry and will begin studies there this fall.

Jeanette Duncan '77 is a secretary at Big Dutchman of Zeeland, Mich.

Mary Elhart '77 is teaching 2nd grade in Hastings, Mich.

Deborah J. Ellison '77 is a business analyst for Dun & Bradstreet, Inc., Detroit, Mich.

David Fouts '77 is teaching high school in an Eskimo village in bush Alaska.

Robin Lemmer '77 is working at Grand Targhee Ski Lodge in Wyoming, Mich.

Timothy Northrop '77 is a basic education teacher for Lakewood (Mich.) public schools.

Diane Nicole '77 Piaget is a salesperson for Baker Book House, Holland, Mich.

Mary Pyle '77 is a proofreader at Zondervan Publishers, Grand Rapids, Mich.

Allen Shedd '77 is a trainee in the photo products department of DuPont Co., Redford, Mich.

Nancy Petroelje '77 VandeBunte teaches 4th grade at Forest Grove Elementary School, Hudsonville, Mich.

Mary Harmelink '77 Wisner is teaching 5th grade in Dearborn Hts., Mich.

Larry Wisner '77 is a computer programmer for Ford Motor Co.

Ellen Ziegler '77 is a well-site geologist at the Nevada Testing site of Fenix and Scisson, Inc.

the Tuesday Service League, the Bible and Faith Guild and the Etta Fox chapter of Questers.

Surviving are a son, Admiral Mayo A. Hadden Jr. '38; two daughters, Marguerite E. Hadden '42 Hakken and Merry Hadden '45 Vanommen; 13 grandchildren, 13 great-grandchildren; a sister, Eva Leenhouts '17 Meyers; a brother, A. Donald Leenhouts; and several nieces and nephews.

Wilfred Klug '39 is deceased. He lived in Detroit, Mich. all of his life. No further information is available to the alumni office.

Dr. Anthony Meengs '22 died on Feb. 26, 1978 in a nursing home in Greenwood, Ind. He was 74 years old.

He was a retired United Presbyterian minister and had served in Spring Lake, Mich. and Frankfort, Elkhart and Richmond, Ind.

Dr. Meengs held the M.Th. degree from Western Theological Seminary and was awarded an honorary Doctor of Divinity degree from Hanover College in 1939.

Surviving are his wife, the former Freda Heitland '22; a son, Dirck Meengs; two brothers, John H. Meengs '20 and William J. Meengs '27; also a sister, Ruth Meengs '34 Crissman.

Harold E. Weidner '39 died in early February, 1978, in Hyde Park, N.Y.

He was an attorney, having earned his L.L.B. degree in 1947 from St. John's University.

career corner

116 Math major, '77 graduate, desires position as actuarial assistant but will consider related employment. Has presented papers to Michigan Mathematical Association. Score of 37 (verbal) and 20 (math) on actual aptitude test. Grade of 10 on first actuarial exam. Willing to relocate.

117 1972 graduate. One-time theatre major has found right career: computer programmer and systems analyst with solid background and business experience in BASIC, now in the midst of COBOL preparation. Logical and imaginative. Will go anywhere; prefer urban center.

118 1969 graduate desires counseling position at the college level or as an industrial personnel officer. Job placement officer during summer of 1970. Employed with Mutual of N.Y. Insurance Co., 1973-75. Rutgers University counselor in 1974. M.A., Princeton Seminary, 1971 and M.A. Rutgers University, 1974.

119 Energetic Go-Getter, 1976 graduate, majors: psychology, social work, and elementary education. Presently in public administration graduate curriculum. Seeking challenging position: business (personnel, public relations, sales representative), human services (management, counseling, program development, research), or education (teacher, consultant). Will relocate and travel (domestic and foreign). Presently therapist and coordinator of volunteers for Mental Health.

120 1965 graduate seeking employment as a pastoral counselor in a counseling agency or chaplaincy position. Background is as follows: M.Div. degree from New Brunswick Theological Seminary, 1969; 6½ years experience in the pastoral ministry; M.S.E. degree from the University of Bridgeport in counseling, 1977; two-year training program in pastoral counseling, Foundation for Religion and Mental Health; 14 months as alcoholic counselor.

121 1961 graduate. Technical school graduate in electronics technology. FCC First Class Radiotelephone License. Music background. Two-way radio servicing and book publishing experience. Holland, Michigan area only.

122 B.A. sociology, 1966. Ten years teaching elementary (first & second) in New York City. Instrumental in instituting a remedial math program. Employed by YWCA as a program director. Also set up programs with large Church Young Adults group. Need change of environment and or career.

123 1967 graduate, strong liberal arts background. A whole person but too long underemployed to be "well-rounded." Intellectual with moral values. Expert at living with ambiguity and uncertainty, raising questions, using leisure time. Ph.D. dissertation: "Eloquent Silence..." Can learn, read, write, organize, think, teach.

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Wind Energy Today

by L. Ward Slager

Within the past few years the push for pollution-control and the realization that fossil fuel reserves are only a finite energy resource has spawned a group of alternate energy industries. One of these fledgling industries is the wind industry. In reality it is not new but the renaissance of an industry that extended back to the 1100's and suffered a severe setback from cheap fossil fuels and REA in the 1930's and 40's.

The present wind industry has its roots in the alternate life styles pursued in the late 60's and early 70's. Many of the people involved in the "back to nature" movement of that time realized that they did need such higher forms of energy as electricity. They were able to get it in an inexpensive and non-polluting form by resurrecting many of the old wind electric generators produced by such companies as Jacobs Wind Electric, Wincharger, Dunlite, and Paris-Dunne. These generators had lain idle in farmyards for many years but due to simplicity and ruggedness of their design were put back into service easily.

Parts of that "Mother Earth" sentiment, such as a non-polluting lifestyle, are now slowly becoming societal values. These values along with the various energy "crises" that are occurring are behind the development of the wind industry from small garage-inventor-oriented businesses into larger mass consumer oriented concerns. This shift is a

necessary one and is being achieved by the infusion of money from the federal Department of Energy into the research and development labs of businesses and universities around the country. Such companies as Lockheed, Grumman Aerospace, and Rockwell International are designing, building, and testing large (100 foot to 300 foot) diameter wind generators to be used either individually or in groups as an electric utility for small towns and villages. These machines will be of two types. They will be either a conventionally styled two-bladed rotor or the unconventional 'egg-beater' Darrieus rotor. If the large machines currently being tested prove themselves, they will find wide application and could number as many as 100,000 to 300,000 installed units by the year 2000, according to a General Electric study.

Smaller, less well-known, companies such as Wind Energy Systems and Technologies, Windworks, Zephyr Wind Dynamo, Dakota Wind and Sun, and Natural Power, and numerous universities are working on small (6 foot to 40 foot) diameter machines to meet the growing market for supplementary power systems in vacation homes, rural homes, remote fire stations and oil rigs, offshore buoys, and agricultural irrigation. Another large market is developing in the "Third World" countries. Most of these machines are conventionally styled two or three bladed machines with either AC or DC generators. The study referred to in the previous paragraph also concluded that in North America as many as 9 million small machines could be implemented by the year 2000.

With the above background one may wonder why wind electric generators are not springing up throughout the country-side, helping to alleviate the current energy problems. Although there are many factors, the main reasons that this is not happening pres-

ently are economic. (One factor to keep in mind while reading this is that even with implementation of 300,000 large and 9 million small machines only 5 to 8% of the projected U.S. electrical energy demand in the year 2000 could be met by wind. The energy "crisis" will not be solved by any one source.) The government money which is an impetus sorely needed by the wind industry has its shortcomings. The research and production of large machines which might be quickly done in the private business sector is being slowed by the government's role in the R and D program. Private business finds it advantageous, understandably, to let the government provide all the money for R and D even if it does take years longer to complete the program and even though large machines are presently economically feasible (costs to consumer would run 3 to 4 cents per kilowatt-hour).

The economics of small wind machines takes on several other dimensions. First, big businesses would rather not get involved with small wind machines because of the large amount of capital and labor it would take to produce and market the 100 to 200 small machines needed to match the profits of selling one large machine. Secondly, the present small businesses are highly competitive and capital-poor and many of the advances that are made on design and production are not shared. This has the effect of slowing the whole industry down. Finally, in most areas where electrical energy is available for under 6 cents per kw/hr, consumers are not willing to look at as much as a 15 year payback on their investment in the wind machine even if this is still much less than the 20 to 40 year system lifetime. Thus the lack of large amounts of capital, competition, and a sensitive market are impeding the progress of the small wind systems industry.

What then is the immediate future of wind as an alternate energy source? Large scale wind systems will not begin making an impact for at least five and possibly ten years. At that time, they will be installed at the most favorable sites and will be interfaced with existing utility grids as primarily supplementary systems. Small systems are now being produced, sold, and installed in limited quantities. As inflation and dwindling resources drive up the price of electrical power the market will improve enough so that by the year 1985 there may be as many as 100,000 small machines in operation. This amount of production will reduce prices as production lines are put into operation, which will also improve the economic feasibility of wind for the average consumer.

In conclusion, the following facts are given as a guide to the individual who is considering the use of a wind system for his energy needs. The wind industry has been progressing rapidly in the past several years but is still a young industry. Many of the problems involved in using a wind system have not been completely worked out. Details such as maintenance, economic analysis of a particular installation and legal analysis of the aesthetic, wind rights, and utility interface considerations will be up to the individual consumer to work out. Help in these details is available from the American Wind Energy Association which is currently the only government-recognized organization that is promoting business ethics and consumer education in the wind industry. Most importantly, the average consumer should read the many materials (most available through AWEA) currently in print on wind energy and talk with the pioneers that presently have systems installed in order to gain experience with wind as an alternate energy source.

L. Ward Slager has been director of physics laboratories at Hope since 1976. A graduate of Calvin College, Mr. Slager is presently teaching a course on wind energy for the Hope Community Semester and recently presented a paper to the American Wind Energy Association Conference.

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